

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	18	Dt: 26/11/2021										
Item Name:	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications.											
	CHAINAGE		NO's	L	B1	B2	AvgB	D		QTY	REMARKS	
	Land Mark			(m)	(m)	(m)	(m)	(m)				
For Road Work												
Abbigere Main Road												
Ashok Group of Insitute (Collage Road)												
From Kalanagar to Culvert 2	111.00	141.00	1	30.00	8.00	8.50	8.25			247.50		
	141.00	171.00	1	30.00	8.50	8.00	8.25			247.50		
	171.00	198.00	1	27.00	8.00	8.00	8.00			216.00		
	198.00	228.00	1	30.00	8.00	7.50	7.75			232.50		
	228.00	258.00	1	30.00	7.50	8.00	7.75			232.50		
	258.00	288.00	1	30.00	8.00	8.50	8.25			247.50		
	288.00	318.00	1	30.00	8.50	8.00	8.25			247.50		
	318.00	348.00	1	30.00	8.00	8.00	8.00			240.00		
	348.00	355.00	1	7.00	8.00	8.00	8.00			56.00		
	355.00	362.20	1	7.20							Bridge	
	362.20	392.20	1	30.00	7.90	8.00	7.95			238.50		
	392.20	414.70	1	22.50	8.00	8.50	8.25			185.63		
	414.70	416.40	1	1.70							Culvert	
	416.40	446.40	1	30.00	8.00	8.50	8.25			247.50		
446.40	476.40	1	30.00	8.50	8.50	8.50			255.00			
476.40	506.40	1	30.00	8.50	9.00	8.75			262.50			
506.40	536.40	1	30.00	9.00	9.00	9.00			270.00			
536.40	563.90	1	27.50	9.00	8.50	8.75			240.63			
563.90	588.90	1	25.00	8.50	8.50	21.20			530.00			
Total Qty Work Done										4196.75	Sqm	
Qty Reserved to Schedule-B Qty										4196.75	Sqm	

4196.76

[Signature]
PMC

[Signature]
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

[Signature]
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	19	Dt: 8/10/21, 12/11/21, 27/11/21, 15/12/21, 19/1/22, 18/2/22									
Item Name:	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to<tipper, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications.										
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS		
	Land Mark		(m)	(m)	(m)	(m)	(m)				
For Road Work											
Abbigere Main Road											
Ashok Group of Insitute (Collage Road) (LHS)											
From Kalanagar to Culvert 2	111.00	141.00	1	30.00	15.50	10.20	12.85	0.80	308.40	CUT 11/2	
	141.00	171.00	1	30.00	10.20	6.50	8.35	0.80	200.40		
	171.00	198.00	1	27.00	6.50	4.00	5.25	0.80	113.40		
	198.00	228.00	1	30.00	4.00	6.80	5.40	0.80	129.60		
	228.00	258.00	1	30.00	6.80	6.90	6.85	0.80	164.40		
	258.00	288.00	1	30.00	6.90	6.70	6.80	0.80	163.20		
	288.00	318.00	1	30.00	6.70	7.50	7.10	0.80	170.40		
	318.00	348.00	1	30.00	7.50	6.60	7.05	0.80	169.20		
	348.00	355.00	1	7.00	6.60	6.60	6.60	0.80	36.96		
	355.00	362.20	1	7.20							Bridge
	362.20	392.20	1	30.00	6.80	6.60	6.70	0.80	160.80		Culvert
	392.20	414.70	1	22.50	6.60	6.60	6.60	0.80	118.80		
	414.70	416.40	1	1.70							
	416.40	446.40	1	30.00	7.80	6.20	7.00	0.80	168.00		
CUT	446.40	476.40	1	30.00	6.20	6.20	6.20	0.80	148.80		
	476.40	506.40	1	30.00	6.20	6.60	6.40	0.80	153.60		
	506.40	536.40	1	30.00	6.60	6.80	6.70	0.80	160.80		
	536.40	563.90	1	27.50	6.80	8.00	7.40	0.80	162.80		
	563.90	588.90	1	25.00	8.00	22.00	21.20	0.80	424.00		
Ashok Group of Insitute (Collage Road) (RHS)											
From Ch-285 to Culvert-2	285.00	315.00	1	30.00	3.80	7.80	5.80	0.80	139.20	Bridge	
	315.00	345.00	1	30.00	7.80	8.20	8.00	0.80	192.00		
	345.00	352.20	1	7.20							
	352.20	382.20	1	30.00	9.10	11.70	10.40	0.80	249.60		
	382.20	410.00	1	27.80	11.70	5.30	8.50	0.80	189.04	Culvert	
	410.00	411.70	1	1.70							
	411.70	441.70	1	30.00	5.30	6.76	6.03	0.80	144.72		
	441.70	471.70	1	30.00	6.76	6.30	6.53	0.80	156.72		
CUT	471.70	501.70	1	30.00	6.30	6.40	6.35	0.80	152.40		
	501.70	531.70	1	30.00	6.40	6.50	6.45	0.80	154.80		
	531.70	549.70	1	18.00	6.50	5.80	6.15	0.80	88.56		
Abbigere Main Road											
SR Complex Front Side (LHS)											
From Pan Store Front	900.00	930.00	1	30.00	4.70	5.00	4.85	0.80	116.40		
	930.00	960.00	1	30.00	5.00	4.12	4.56	0.80	109.44		
	960.00	990.00	1	30.00	4.12	3.30	3.71	0.80	89.04		
	990.00	1020.00	1	30.00	3.30	4.50	3.90	0.80	93.60		
	1020.00	1050.00	1	30.00	4.50	5.00	4.75	0.80	114.00		

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	1050.00	1062.00	1	12.00	5.00	4.25	4.63	0.80	44.40	Circle
	1062.00	1088.00	1	26.00						
	1088.00	1118.00	1	30.00	3.60	7.40	5.50	0.80	132.00	
	1118.00	1148.00	1	30.00	7.40	7.00	7.20	0.80	172.80	
	1148.00	1178.00	1	30.00	7.00	7.00	7.00	0.80	168.00	
	1178.00	1208.00	1	30.00	7.00	7.20	7.10	0.80	170.40	
	1208.00	1238.00	1	30.00	7.20	7.70	7.45	0.80	178.80	
	1208.00	1212.00	1	4.00	7.20	7.60	7.40	0.80	23.68	
Abbigere Park Front (RHS)										
From Pan Store Front	1088.00	1118.00	1	30.00	4.70	5.00	4.85	0.80	116.40	
	1118.00	1148.00	1	30.00	5.00	4.12	4.56	0.80	109.44	
	1148.00	1178.00	1	30.00	4.12	3.30	3.71	0.80	89.04	
	1178.00	1208.00	1	30.00	3.30	4.50	3.90	0.80	93.60	
	1208.00	1213.10	1	5.10	4.50	5.00	4.75	0.80	19.38	
Police Station										
			1	20.00	2.50	3.10	2.80	0.80	44.80	
Abbigere Industrial Cross Roads										
Connecting Road 7 to 10 (Downside)										
7 to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	0.40	71.28	Circle
8 to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	0.40	29.44	
9 to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	0.40	41.47	
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	0.40	21.20	
Connecting Road 8 to 10 (Upside)										
8 to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	0.40	48.16	
9 to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	0.40	36.96	
6th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	0.40	49.20	
	30.00	60.00	1	30.00	3.70	3.90	3.80	0.40	45.60	
	60.00	90.00	1	30.00	3.90	4.00	3.95	0.40	47.40	
	90.00	108.00	1	18.00	4.00	3.40	3.70	0.40	26.64	
From Somashekar House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	0.40	54.60	
	30.00	60.00	1	30.00	4.10	4.20	4.15	0.40	49.80	
	60.00	79.00	1	19.00	4.20	4.20	4.20	0.40	31.92	
7th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	0.40	14.50	Bellmouth
	5.00	35.00	1	30.00	5.30	4.50	4.90	0.40	58.80	
	35.00	65.00	1	30.00	4.50	4.10	4.30	0.40	51.60	
	65.00	95.00	1	30.00	4.10	4.50	4.30	0.40	51.60	
	95.00	125.00	1	30.00	4.50	4.00	4.25	0.40	51.00	
	125.00	155.00	1	30.00	4.00	5.00	4.50	0.40	54.00	
	155.00	185.00	1	30.00	5.00	4.80	4.90	0.40	58.80	
	185.00	215.00	1	30.00	4.80	4.40	4.60	0.40	55.20	
	215.00	245.00	1	30.00	4.40	4.10	4.25	0.40	51.00	
	245.00	275.00	1	30.00	4.10	4.00	4.05	0.40	48.60	
	275.00	305.00	1	30.00	4.00	4.00	4.00	0.40	48.00	
	305.00	335.00	1	30.00	4.00	4.10	4.05	0.40	48.60	
	335.00	365.00	1	30.00	4.10	4.30	5.20	0.40	62.40	
8th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	0.40	13.05	Bellmouth
	5.00	35.00	1	30.00	4.05	4.05	4.05	0.40	48.60	
	35.00	65.00	1	30.00	4.05	4.00	4.03	0.40	48.30	
	65.00	95.00	1	30.00	4.00	4.50	4.25	0.40	51.00	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
95.00	125.00	1	30.00	4.50	4.30	4.40	0.40	52.80	
125.00	155.00	1	30.00	4.30	4.00	4.15	0.40	49.80	
155.00	185.00	1	30.00	4.00	3.95	3.98	0.40	47.70	
185.00	215.00	1	30.00	3.95	4.50	4.23	0.40	50.70	
215.00	245.00	1	30.00	4.50	4.40	4.45	0.40	53.40	
245.00	275.00	1	30.00	4.40	4.70	4.55	0.40	54.60	
275.00	305.00	1	30.00	4.70	4.25	4.48	0.40	53.70	
305.00	335.00	1	30.00	4.25	5.20	4.73	0.40	56.70	
335.00	365.00	1	30.00	5.20	4.65	4.93	0.40	59.10	
365.00	377.00	1	12.00	4.65	4.70	4.68	0.40	22.44	

9th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.10	4.00	4.55	0.40	54.60	
	30.00	60.00	1	30.00	4.00	5.00	4.50	0.40	52.20	
	60.00	90.00	1	30.00	4.50	4.20	4.35	0.40	54.30	
	90.00	120.00	1	30.00	4.20	4.85	4.53	0.40	56.10	
	120.00	150.00	1	30.00	4.85	4.50	4.68	0.40	54.00	
	150.00	180.00	1	30.00	4.50	4.50	4.50	0.40	55.20	
	180.00	210.00	1	30.00	4.50	4.70	4.60	0.40	51.30	
	210.00	240.00	1	30.00	4.70	3.85	4.28	0.40	43.50	
	240.00	270.00	1	30.00	3.85	3.40	3.63	0.40	45.60	
	270.00	300.00	1	30.00	4.50	3.10	3.80	0.40	39.60	
	300.00	330.00	1	30.00	3.10	3.50	3.30	0.40	40.80	
	330.00	360.00	1	30.00	3.50	3.30	3.40	0.40	41.40	
	360.00	390.00	1	30.00	3.30	3.60	3.45	0.40	22.08	
	390.00	406.00	1	16.00	3.60	3.30	3.45	0.40		

10th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.20	3.90	4.05	0.40	48.60	
	30.00	60.00	1	30.00	3.90	3.50	3.70	0.40	44.40	
	60.00	90.00	1	30.00	3.50	4.30	3.90	0.40	46.80	
	90.00	120.00	1	30.00	4.30	4.40	4.35	0.40	52.20	
	120.00	150.00	1	30.00	4.40	4.00	4.20	0.40	50.40	
	150.00	180.00	1	30.00	4.00	4.50	4.25	0.40	51.00	
	180.00	210.00	1	30.00	4.50	4.20	4.35	0.40	52.20	
	210.00	240.00	1	30.00	4.20	4.70	4.45	0.40	53.40	
	240.00	270.00	1	30.00	4.70	4.80	4.75	0.40	57.00	
	270.00	300.00	1	30.00	4.80	4.00	4.40	0.40	52.80	
	300.00	330.00	1	30.00	4.00	4.00	4.00	0.40	48.00	
	330.00	360.00	1	30.00	4.00	4.00	4.00	0.40	48.00	
	360.00	382.00	1	22.00	4.00	3.00	3.50	0.40	30.80	

12th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	6.10	5.30	5.70	0.40	68.40	
	30.00	60.00	1	30.00	5.30	4.80	5.05	0.40	60.60	
	60.00	90.00	1	30.00	4.80	6.50	5.65	0.40	67.80	
	90.00	120.00	1	30.00	6.50	4.00	5.25	0.40	63.00	
	120.00	150.00	1	30.00	4.00	3.95	3.98	0.40	47.70	
	150.00	180.00	1	30.00	3.95	4.60	4.28	0.40	51.30	
	180.00	210.00	1	30.00	4.60	4.00	4.30	0.40	51.60	
	210.00	240.00	1	30.00	4.00	4.10	4.05	0.40	48.60	
	240.00	270.00	1	30.00	4.10	3.65	3.88	0.40	46.50	
	270.00	300.00	1	30.00	3.65	4.00	3.83	0.40	45.90	
	300.00	330.00	1	30.00	4.00	3.75	3.88	0.40	46.50	
	330.00	350.00	1	20.00	3.75	4.10	3.93	0.40	31.40	

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS	
	Land Mark			(m)	(m)	(m)	(m)	(m)			
C6FC DA	350.00	380.00	1	30.00	4.10	3.60	3.85	0.40	46.20	Bellmouth	
	380.00	410.00	1	30.00	3.60	4.25	3.93	0.40	47.10		
	410.00	414.00	1	4.00	4.25	8.20	6.23	0.40	9.96		
Vishveshwarya Layout											
APPROACH ROAD 1st Cross Road											
From Abbigere Main Road to Dead End	0.00	30.00	1	30.00	7.00	7.00	7.00	0.40	84.00		
	30.00	60.00	1	30.00	7.00	5.00	6.00	0.40	72.00		
	60.00	90.00	1	30.00	5.00	5.50	5.25	0.40	63.00		
	90.00	108.00	1	18.00	5.50	5.10	5.30	0.40	38.16		
2nd Cross Road											
From Abbigere Main Road to Existing Asphalt Road	0.00	15.50	1	18.00	5.50	5.60	5.55	0.40	39.96		
3rd Cross Road											
From Abbigere Main Road to Existing Asphalt Road	0.00	19.00	1	19.00	5.40	5.50	5.45	0.40	41.42		
4th Cross Road											
From Abbigere Main Road to Existing Asphalt Road	0.00	20.00	1	20.00	5.30	5.50	5.40	0.40	43.20	C6FC DA	
For Drain											
Abbigere Main Road											
Ashok Group of Insitute (Collage Road) (LHS)											
C6FC DA	From BSF Compound to Culvert 2	176.00	180.00	1	4.00			1.40	1.20	6.72	
		180.00	210.00	1	30.00			1.40	1.20	50.40	
		210.00	240.00	1	30.00			1.40	1.20	50.40	
		240.00	270.00	1	30.00			1.40	1.20	50.40	
		270.00	300.00	1	30.00			1.40	1.20	50.40	
		300.00	330.00	1	30.00			1.40	1.20	50.40	
		330.00	334.50	1	4.50			1.40	1.20	7.56	
		334.50	364.50	1	30.00					N/t	
		364.50	392.10	1	27.60					N/t	
		392.10	422.10	1	30.00			1.40	1.60	67.20	
		422.10	452.10	1	30.00			1.40	1.20	50.40	
		452.10	482.10	1	30.00			1.40	1.20	50.40	
		482.10	512.10	1	30.00			1.40	1.20	50.40	
		512.10	537.10	1	25.00			1.40	1.60	56.00	
	537.10	548.30	1	11.20			1.60	2.10	37.63		
LHS Approach											
From Culvert 2 to Swdrain	0.00	15.50	1	14.30			5.20	3.00	223.08		
Collage Front Drain											
	0.00	35.00	1	35.00			1.50	2.20	115.50		
Park Side Upstairs Drain RHS											
	0.00	30.00	1	30.00			3.50	3.00	315.00		
Ashok Group of Insitute (Collage Road) (RHS)											
From Bridge to Y Junction	340.00	370.00	1	30.00			1.20	1.40	50.40		
	370.00	382.00	1	12.00			1.20	1.40	20.16		
Ayush clinic	382.00	399.20	1	17.20						Cross Road 2 CD 3 Culvert	
	399.20	429.20	1	30.00							
	429.20	436.60	1	7.40			1.20	1.40	50.40		
	436.60	447.60	1	11.00			1.20	1.40	12.43		
	447.60	477.60	1	30.00						Not Ext	
							1.20	1.40	50.40		

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Fast Food	477.60	485.20	1	7.60			1.20	1.40	12.77	Cross Road 4 CD 4 Culvert
	485.20	495.70	1	10.50					50.40	
	495.70	525.70	1	30.00			1.20	1.40	9.74	
	525.70	531.50	1	5.80			1.20	1.40	22.40	
	531.50	541.50	1	10.00			1.40	1.60		
Vishveshwarya Layout										
1st Cross Road LHS										
From Abbigere Main Road	0.00	21.50	1	21.50			1.10	0.65	15.37	
1st Cross Road RHS										
From Abbigere Main Road	0.00	8.40	1	8.40			1.10	0.60	5.54	
Abbigere Main Road										
Divya Apparatment Road LHS (Towards Raghu Land)										
From Divya App Opp Side	900.00	930.00	1	30.00			1.40	1.20	50.40	CCFC 18/2
	930.00	960.00	1	30.00			1.40	1.20	50.40	
	960.00	974.20	1	14.20			1.40	1.20	23.86	
Divya Apparatment Road RHS										
From Divya App to Police Station	975.00	1005.00	1	30.00			1.40	1.20	50.40	CD 5 Culvert
	1005.00	1017.00	1	12.00			1.40	1.20	20.16	
	1017.00	1025.00	1	8.00			1.40	1.20	13.44	
	1025.00	1046.80	1	21.80			1.40	1.20	36.62	
Nussery	1046.80	1056.30	1	9.50						
	1046.80	1076.80	1	30.00			1.40	1.20	50.40	
	1076.80	1106.80	1	30.00			1.40	1.20	50.40	
	1106.80	1136.80	1	30.00			1.40	1.20	50.40	
Infront of Police Station	1136.80	1166.80	1	30.00			1.40	1.20	50.40	
	1166.80	1194.00	1	27.20			1.40	1.20	45.70	
	1194.00	1213.20	1	19.20			1.40	1.40	37.63	
Old Drain										
CCFC	975.00	1005.00	1	30.00			1.40	1.20	50.40	Site Dispute
	1005.00	1017.00	1	12.00			1.40	1.20	20.16	Site Dispute
	1017.00	1025.00	1	8.00			1.40	1.20	13.44	Site Dispute
	1025.00	1046.80	1	21.80			1.40	1.20	36.62	Site Dispute
Abbigere Park LHS										
From Circle to Police Station	1078.00	1108.00	1	30.00			1.40	1.40	58.80	
	1108.00	1138.00	1	30.00			1.40	1.40	58.80	
	1138.00	1168.00	1	30.00			1.40	1.40	58.80	
	1168.00	1198.00	1	30.00			1.40	1.40	58.80	
	1198.00	1228.00	1	30.00			1.40	1.40	58.80	
	1198.00	1210.00	1	12.00			1.40	1.40	23.52	
For UGD Np3 Pipe										
Vishveshwarya Layout										
1st Cross road (M1 - M2)										
	0.00	24.00	1	24.00			0.60	1.20	17.28	
Main Road (M2 - M3)										
	0.00	17.10	1	17.10			0.60	1.20	12.31	
2nd Cross road (M4 - M5)										
	0.00	12.50	1	12.50			0.60	1.25	9.38	
Main Road (M4 - M6)										
	0.00	6.10	1	6.10			0.60	1.40	5.12	

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		
Main Road (M6 - M7)								
0.00	42.40	1	42.40		0.60	1.50	38.16	
3rd Cross Road (M7 - M8)								
0.00	15.50	1	15.50		0.60	1.60	14.88	
Main Road (M7 - M9)								
0.00	25.50	1	25.50		0.60	1.80	27.54	
4th Cross road (M9 - M10)								
0.00	20.00	1	20.00		0.60	1.80	21.60	
Main Road (M9 - M11)								
0.00	43.00	1	43.00		0.60	2.00	51.60	
Main Road (M11 - End)								
0.00	22.00	1	22.00		0.60	2.40	31.68	
5th Cross road (M11 - M12)								
0.00	20.00	1	20.00		0.60	2.50	30.00	
Ashok Collage Side								
1st Cross road (M1 - M2 - M3)								
0.00	16.50	1	16.50		0.60	1.50	14.85	
0.00	12.80	1	12.80		0.60	1.50	11.52	
Total Qty Work Done							13376.25	Cum
Qty Payable in this bill							13376.25	Cum

Sayan
PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru


Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:

20

Dt: 21/9/21 , 18/2/22

Item Name:

Earth work in excavation retaining walls etc. as per drawing and technical specification including setting out, Construction and technical specification, including bottom, back filling with apporved material and bracing, dressing of sides and per specifications, including material, disposal of balance earth as using cost of labour, HOM etc., complete.

CHAINAGE

NO's

L

AvgB

D

QTY

REMARKS

Land Mark

(m)

(m)

(m)

For Culvert

Abbigere Main Road

Ashok Group of Insitute (Collage Front)

Bridge (SSM Culvert)

0.00	26.00	1	26.00	10.50	3.50	955.50	
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Main Road CD 1

0.00	18.10	1	18.10	1.80	1.20	39.10	
------	-------	---	-------	------	------	-------	--

Main Road CD 2

0.00	26.50	1	26.10	3.50	1.20	109.62	
------	-------	---	-------	------	------	--------	--

2nd Cross Road CD 3

0.00	17.15	1	17.20	1.20	1.20	24.77	
------	-------	---	-------	------	------	-------	--

4th Cross Road CD 4

0.00	10.50	1	10.50	1.30	1.20	16.38	
------	-------	---	-------	------	------	-------	--

Main Road (RHS) Nussery CD 5

0.00	9.50	1	9.50	1.40	1.30	17.29	
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Total Qty Work Done

1162.65

Cum

Qty Reserved to Schedule-B Qty

464.32

Cum

fayamtra
EMC

Sudam
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Priyanka
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Apartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	22	3/11/21	
Item Name:	Construction of embankment with approved material deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Table 300-2 complete as per specifications. Which includes, watering charges & compaction by vibratory roller) MORTH Specification No. 305		

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		

For Road Work

Abbigere Main Road

Ashok Group of Insitute (Collage Road) (LHS)

From Kalanagar to Culvert 2	111.00	141.00	1	30.00	15.50	10.20	12.85	0.15	57.83	
	141.00	171.00	1	30.00	10.20	6.50	8.35	0.15	37.58	
	171.00	198.00	1	27.00	6.50	4.00	5.25	0.15	21.26	
	198.00	228.00	1	30.00	4.00	6.80	5.40	0.15	24.30	
	228.00	258.00	1	30.00	6.80	6.90	6.85	0.15	30.83	
	258.00	288.00	1	30.00	6.90	6.70	6.80	0.15	30.60	
	288.00	318.00	1	30.00	6.70	7.50	7.10	0.15	31.95	
	318.00	348.00	1	30.00	7.50	6.60	7.05	0.15	31.73	
	348.00	355.00	1	7.00	6.60	6.60	6.60	0.15	6.93	
	355.00	362.20	1	7.20						Bridge
	362.20	392.20	1	30.00	6.80	6.60	6.70	0.15	30.15	
	392.20	414.70	1	22.50	6.60	6.60	6.60	0.15	22.28	
	414.70	416.40	1	1.70						Culvert
	416.40	446.40	1	30.00	7.80	6.20	7.00	0.15	31.50	
	446.40	476.40	1	30.00	6.20	6.20	6.20	0.15	27.90	
	476.40	506.40	1	30.00	6.20	6.60	6.40	0.15	28.80	
	506.40	536.40	1	30.00	6.60	6.80	6.70	0.15	30.15	
	536.40	563.90	1	27.50	6.80	8.00	7.40	0.15	30.53	
	563.90	588.90	1	25.00	8.00	22.00	21.20	0.15	79.50	

Ashok Group of Insitute (Collage Road) (RHS)

From Ch-285 to Culvert-2	285.00	315.00	1	30.00	3.80	7.80	5.80	0.15	26.10	
	315.00	345.00	1	30.00	7.80	8.20	8.00	0.15	36.00	
	345.00	352.20	1	7.20						
	352.20	382.20	1	30.00	9.10	11.70	10.40	0.15	46.80	Bridge
	382.20	410.00	1	27.80	11.70	5.30	8.50	0.15	35.45	
	410.00	411.70	1	1.70						Culvert
	411.70	441.70	1	30.00	5.30	6.76	6.03	0.15	27.14	
	441.70	471.70	1	30.00	6.76	6.30	6.53	0.15	29.39	
	471.70	501.70	1	30.00	6.30	6.40	6.35	0.15	28.58	
	501.70	531.70	1	30.00	6.40	6.50	6.45	0.15	29.03	
	531.70	549.70	1	18.00	6.50	5.80	6.15	0.15	16.61	

Abbigere Main Road

SR Complex Front Side (LHS)

From Pan Store Front	900.00	930.00	1	30.00	4.70	5.00	4.85	0.15	21.83	
	930.00	960.00	1	30.00	5.00	4.12	4.56	0.15	20.52	
	960.00	990.00	1	30.00	4.12	3.30	3.71	0.15	16.70	
	990.00	1020.00	1	30.00	3.30	4.50	3.90	0.15	17.55	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS	
Land Mark			(m)	(m)	(m)	(m)	(m)			
C/SR	1020.00	1050.00	1	30.00	4.50	5.00	4.75	0.15	21.38	Circle
	1050.00	1062.00	1	12.00	5.00	4.25	4.63	0.15	8.33	
	1062.00	1088.00	1	26.00						
	1088.00	1118.00	1	30.00	3.60	7.40	5.50	0.15	24.75	
	1118.00	1148.00	1	30.00	7.40	7.00	7.20	0.15	32.40	
	1148.00	1178.00	1	30.00	7.00	7.00	7.00	0.15	31.50	
	1178.00	1208.00	1	30.00	7.00	7.20	7.10	0.15	31.95	
	1208.00	1238.00	1	30.00	7.20	7.70	7.45	0.15	33.53	
	1208.00	1212.00	1	4.00	7.20	7.60	7.40	0.15	4.44	
Abbigere Park Front (RHS)										
From Pan Store Front	1088.00	1118.00	1	30.00	4.70	5.00	4.85	0.15	21.83	C/SR
	1118.00	1148.00	1	30.00	5.00	4.12	4.56	0.15	20.52	
	1148.00	1178.00	1	30.00	4.12	3.30	3.71	0.15	16.70	
	1178.00	1208.00	1	30.00	3.30	4.50	3.90	0.15	17.55	
	1208.00	1213.10	1	5.10	4.50	5.00	4.75	0.15	3.63	
Police Station										
			1	20.00	2.50	3.10	2.80	0.15	8.40	
Total Qty Work Done									1182.34	Cum
Qty Payable in this bill									1182.34	Cum

Jayaram B D
PMC

Siddappa
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Pratap Bhusi
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	23	3/11/21										
Item Name:	Construction of embankment with approved material Gravel/Murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murum, watering charges & compaction by vibratory roller to 95% of modified proctors density.											
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS			
	Land Mark		(m)	(m)	(m)	(m)	(m)			(m)		
For Road Work												
Abbigere Main Road												
Ashok Group of Insitute (Collage Road) (LHS)												
From Kalanagar to Culvert 2	111.00	141.00	1	30.00	15.50	10.20	12.85	0.20	77.10			
	141.00	171.00	1	30.00	10.20	6.50	8.35	0.20	50.10			
	171.00	198.00	1	27.00	6.50	4.00	5.25	0.20	28.35			
	198.00	228.00	1	30.00	4.00	6.80	5.40	0.20	32.40			
	228.00	258.00	1	30.00	6.80	6.90	6.85	0.20	41.10			
	258.00	288.00	1	30.00	6.90	6.70	6.80	0.20	40.80			
	288.00	318.00	1	30.00	6.70	7.50	7.10	0.20	42.60			
	318.00	348.00	1	30.00	7.50	6.60	7.05	0.20	42.30			
	348.00	355.00	1	7.00	6.60	6.60	6.60	0.20	9.24			
	355.00	362.20	1	7.20						Bridge		
	362.20	392.20	1	30.00	6.80	6.60	6.70	0.20	40.20			
	392.20	414.70	1	22.50	6.60	6.60	6.60	0.20	29.70			
	414.70	416.40	1	1.70						Culvert		
	416.40	446.40	1	30.00	7.80	6.20	7.00	0.20	42.00			
	446.40	476.40	1	30.00	6.20	6.20	6.20	0.20	37.20			
	476.40	506.40	1	30.00	6.20	6.60	6.40	0.20	38.40			
	506.40	536.40	1	30.00	6.60	6.80	6.70	0.20	40.20			
	536.40	563.90	1	27.50	6.80	8.00	7.40	0.20	40.70			
	563.90	588.90	1	25.00	8.00	22.00	21.20	0.20	106.00			
Ashok Group of Insitute (Collage Road) (RHS)												
From Ch-285 to Culvert-2	285.00	315.00	1	30.00	3.80	7.80	5.80	0.20	34.80			
	315.00	345.00	1	30.00	7.80	8.20	8.00	0.20	48.00			
	345.00	352.20	1	7.20								
	352.20	382.20	1	30.00	9.10	11.70	10.40	0.20	62.40			
	382.20	410.00	1	27.80	11.70	5.30	8.50	0.20	47.26			
	410.00	411.70	1	1.70								
	411.70	441.70	1	30.00	5.30	6.76	6.03	0.20	36.18			
	441.70	471.70	1	30.00	6.76	6.30	6.53	0.20	39.18			
	471.70	501.70	1	30.00	6.30	6.40	6.35	0.20	38.10			
	501.70	531.70	1	30.00	6.40	6.50	6.45	0.20	38.70			
	531.70	549.70	1	18.00	6.50	5.80	6.15	0.20	22.14			
Abbigere Main Road												
SR Complex Front Side (LHS)												
From Pan Store Front	900.00	930.00	1	30.00	4.70	5.00	4.85	0.20	29.10			
	930.00	960.00	1	30.00	5.00	4.12	4.56	0.20	27.36			
	960.00	990.00	1	30.00	4.12	3.30	3.71	0.20	22.26			
	990.00	1020.00	1	30.00	3.30	4.50	3.90	0.20	23.40			

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS		
Land Mark			(m)	(m)	(m)	(m)	(m)				
Cofc Rd	1020.00	1050.00	1	30.00	4.50	5.00	4.75	0.20	28.50	Circle Cofc 3/4	
	1050.00	1062.00	1	12.00	5.00	4.25	4.63	0.20	11.10		
	1062.00	1088.00	1	26.00							
	1088.00	1118.00	1	30.00	3.60	7.40	5.50	0.20	33.00		
	1118.00	1148.00	1	30.00	7.40	7.00	7.20	0.20	43.20		
	1148.00	1178.00	1	30.00	7.00	7.00	7.00	0.20	42.00		
	1178.00	1208.00	1	30.00	7.00	7.20	7.10	0.20	42.60		
	1208.00	1238.00	1	30.00	7.20	7.70	7.45	0.20	44.70		
	1208.00	1212.00	1	4.00	7.20	7.60	7.40	0.20	5.92		
Abbigere Park Front (RHS)											
From Pan Store Front Cofc Rd	1088.00	1118.00	1	30.00	4.70	5.00	4.85	0.20	29.10		
	1118.00	1148.00	1	30.00	5.00	4.12	4.56	0.20	27.36		
	1148.00	1178.00	1	30.00	4.12	3.30	3.71	0.20	22.26		
	1178.00	1208.00	1	30.00	3.30	4.50	3.90	0.20	23.40		
	1208.00	1213.10	1	5.10	4.50	5.00	4.75	0.20	4.85		
Police Station											
			1	20.00	2.50	3.10	2.80	0.20	11.20		
Total Qty Work Done									1576.46		Cum
Qty Payable in this bill									1576.46		Cum

Jayantra
MC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:

25

dt: 8/10/21, 12/11/21, 27/11/21, 15/12/21, 19/1/22, 18/2/22

Item Name:

Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section : 2200 & IS 456

CHAINAGE

NO's

L

B

D

QTY

REMARKS

Land Mark

(m)

(m)

(m)

For Drain

Abbigere Main Road

Ashok Group of Insitute (Collage Road) (LHS)

From BSF Compound to Culvert 2	176.00	180.00	1	4.00	1.20	0.15	0.72	
	180.00	210.00	1	30.00	1.20	0.15	5.40	
	210.00	240.00	1	30.00	1.20	0.15	5.40	
	240.00	270.00	1	30.00	1.20	0.15	5.40	
	270.00	300.00	1	30.00	1.20	0.15	5.40	
	300.00	330.00	1	30.00	1.20	0.15	5.40	
	330.00	334.50	1	4.50	1.20	0.15	0.81	
	334.50	364.50	1	30.00				N/t
	364.50	392.10	1	27.60				N/t
	392.10	422.10	1	30.00	1.20	0.15	5.40	
	422.10	452.10	1	30.00	1.20	0.15	5.40	
	452.10	482.10	1	30.00	1.20	0.15	5.40	
	482.10	512.10	1	30.00	1.20	0.15	5.40	
	512.10	537.10	1	25.00	1.20	0.15	4.50	
	537.10	548.30	1	11.20	1.40	0.15	2.35	

LHS Approach

From Culvert 2 to Swdrain	0.00	15.50	1	14.30	5.20	0.25	18.59	
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Collage Front Drain

	0.00	35.00	1	35.00	1.50	0.15	7.88	
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Park Side Upstairs Drain RHS

	0.00	30.00	1	30.00	3.20	0.15	14.40	
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Ashok Group of Insitute (Collage Road) (RHS)

From Bridge to Y Junction	340.00	370.00	1	30.00	1.10	0.15	4.95	
	370.00	382.00	1	12.00	1.10	0.15	1.98	
Ayush clinic	382.00	399.20	1	17.20				
	399.20	429.20	1	30.00	1.10	0.15	4.95	Cross Road 2 CD 3 Culvert
	429.20	436.60	1	7.40	1.10	0.15	1.22	
	436.60	447.60	1	11.00				Not Ext

	CHAINAGE		NO's	L	B	D	QTY	REMARKS	
	Land Mark			(m)	(m)	(m)			
	447.60	477.60	1	30.00	1.10	0.15	4.95		
	477.60	485.20	1	7.60	1.10	0.15	1.25		
Fast Food	485.20	495.70	1	10.50				Cross Road 4 CD 4 Culvert	
	495.70	525.70	1	30.00	1.10	0.15	4.95		
	525.70	531.50	1	5.80	1.10	0.15	0.96		
	531.50	541.50	1	10.00	1.20	0.15	1.80		
Vishveshwarya Layout									
1st Cross Road LHS									
From Abbigerre Main Road	0.00	21.50	1	21.50	0.80	0.15	2.58		
1st Cross Road RHS									
From Abbigerre Main Road	0.00	8.40	1	8.40	0.80	0.15	1.01		
Abbigerre Main Road									
Divya Apparatment Road LHS (Towards Raghu Land)									
From Divya App Opp Side	900.00	930.00	1	30.00	1.20	0.15	5.40		
	930.00	960.00	1	30.00	1.20	0.15	5.40		
	960.00	974.20	1	14.20	1.20	0.15	2.56		
Divya Apparatment Road RHS									
From Divya App to Police Station	975.00	1005.00	1	30.00	1.20	0.15	5.40		
	1005.00	1017.00	1	12.00	1.20	0.15	2.16		
	1017.00	1025.00	1	8.00	1.20	0.15	1.44		
	1025.00	1046.80	1	21.80	1.20	0.15	3.92		
Nussery	1046.80	1056.30	1	9.50				CD 5 Culvert	
	1046.80	1076.80	1	30.00	1.20	0.15	5.40		
	1076.80	1106.80	1	30.00	1.20	0.15	5.40		
	1106.80	1136.80	1	30.00	1.20	0.15	5.40		
	1136.80	1166.80	1	30.00	1.20	0.15	5.40		
Infront of Police Station	1166.80	1194.00	1	27.20	1.20	0.15	4.90		
	1194.00	1213.20	1	19.20	1.40	0.15	4.03		
Old Drain									
	975.00	1005.00	1	30.00	1.20	0.15	5.40	Site Dispute	
	1005.00	1017.00	1	12.00	1.20	0.15	2.16	Site Dispute	
	1017.00	1025.00	1	8.00	1.20	0.15	1.44	Site Dispute	
	1025.00	1046.80	1	21.80	1.20	0.15	3.92	Site Dispute	
Abbigerre Park LHS									
From Circle to Police Station	1078.00	1108.00	1	30.00	1.20	0.15	5.40		
	1108.00	1138.00	1	30.00	1.20	0.15	5.40		
	1138.00	1168.00	1	30.00	1.20	0.15	5.40		
	1168.00	1198.00	1	30.00	1.20	0.15	5.40		
	1198.00	1228.00	1	30.00	1.20	0.15	5.40		
	1198.00	1210.00	1	12.00	1.20	0.15	2.16		
For Culvert									

CHAINAGE		NO's	L	B	D	QTY	REMARKS	
Land Mark			(m)	(m)	(m)			
Abbigere Main Road								
Ashok Group of Insitute (Collage Front)								
Bridge (SSM Culvert)								
0.00	26.00	1	26.00	10.50	0.20	54.60		
Main Road CD 1								
0.00	18.10	1	18.10	1.80	0.15	4.89	C.C.F	
Main Road CD 2								
0.00	26.50	1	26.10	3.50	0.15	13.70	182	
2nd Cross Road CD 3								
0.00	17.15	1	17.20	1.20	0.15	3.10		
4th Cross Road CD 4								
0.00	10.50	1	10.50	1.30	0.15	2.05		
Main Road (RHS) Nussery CD 5								
0.00	9.50	1	9.50	1.30	0.15	1.85		
Total Qty Work Done							307.52	Cum
Qty Payable in this bill							307.52	Cum

Layen
PMC

Saxena
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Pratap
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	26	17/11/21, 13/1/22, 18/2/22.
Item Name:	Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. b) upto 5 m height	

CHAINAGE	NO's	L	B	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)		

For Culvert Raft

Abbigere Main Road

Main Road CD 1

0.00	18.10	1	18.10	1.80	0.25	8.15	
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Main Road CD 2

0.00	26.50	1	26.10	3.50	0.25	22.84	
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2nd Cross Road CD 3

0.00	17.15	1	17.20	1.20	0.25	5.16	
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4th Cross Road CD 4

0.00	10.50	1	10.50	1.30	0.25	3.41	
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Main Road (RHS) Nussery CD 5

0.00	9.50	1	9.50	1.30	0.25	3.09	
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For Culvert Wall

Main Road CD 1

0.00	21.00	2	18.10	0.25	1.20	10.86	
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Main Road CD 2

0.00	26.10	2	26.10	0.25	1.20	15.66	
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2nd Cross Road CD 3

0.00	17.20	2	17.20	0.25	0.90	7.74	
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4th Cross Road CD 4

0.00	10.50	2	10.50	0.25	0.90	4.73	
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Main Road (RHS) Nussery CD 5

0.00	9.50	2	9.50	1.20	0.90	20.52	
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For Culvert DECK Slab

Abbigere Main Road

Main Road CD 1

0.00	21.00	1	18.10	1.70	0.25	7.69	
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Main Road CD 2

0.00	26.10	1	26.10	2.50	0.25	16.31	
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2nd Cross Road CD 3

CHAINAGE		NO's	L	B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)		
0.00	17.20	1	17.20	1.20	0.25	5.16	CSFC H 112
4th Cross Road CD 4 [10.3]							
0.00	10.50	1	10.50	1.30	0.25	3.41	
Main Road (RHS) Nussery CD 5 [9.00]							
0.00	9.50	1	9.50	1.10	0.30	3.14	
Bridge (SSM Culvert)							
Pri-Cap & Haunge Concerete		2	26.00	0.80	0.30	12.48	
Deck Slab		1	26.00	7.20	0.60	112.32	
For Culvert Parapet Wall							
Abbigere Main Road							
Main Road CD 1							
		2	1.70	0.30	0.60	0.61	
Main Road CD 2 (LHS)							
		1	3.50	0.40	0.90	1.26	
Main Road CD 2 (RHS)							
		1	2.50	0.22	0.90	0.50	
Bridge (SSM Culvert)							
		2	7.20	0.40	0.90	5.18	
Total Qty Work Done						270.21	Cum
Qty Payable in this bill						270.21	Cum

Sayantra
PMC

Sayantra
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Vijayashree
Asst.Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	27	18/10/21, 21/10/21, 16/11/21, 24/12/21, 21/1/22, 18/2/22 2
Item Name:	Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregates @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. b) upto 5 m height	

		CHAINAGE		NO's	L	B	D	QTY	REMARKS	
		Land Mark			(m)	(m)	(m)			
For Drain Raft										
Abbigere Main Road										
Ashok Group of Insitute (Collage Road) (LHS)										
From BSF Compound to Culvert 2	176.00	180.00	1	4.00	1.20	0.15	0.72			
	180.00	210.00	1	30.00	1.20	0.15	5.40			
	210.00	240.00	1	30.00	1.20	0.15	5.40			
	240.00	270.00	1	30.00	1.20	0.15	5.40			
	270.00	300.00	1	30.00	1.20	0.15	5.40			
	300.00	330.00	1	30.00	1.20	0.15	5.40			
	330.00	334.50	1	4.50	1.20	0.15	0.81			
	334.50	364.50	1	30.00					N/t	
	364.50	392.10	1	27.60					N/t	
	392.10	422.10	1	30.00	1.20	0.15	5.40			
	422.10	452.10	1	30.00	1.20	0.15	5.40			
	452.10	482.10	1	30.00	1.20	0.15	5.40			
	482.10	512.10	1	30.00	1.20	0.15	5.40			
	512.10	537.10	1	25.00	1.20	0.15	4.50			
	537.10	548.30	1	11.20	1.40	0.15	2.35			
LHS Approach										
From Culvert 2 to Swdrain	0.00	15.50	1	14.30	5.20	0.25	18.59			
Collage Front Drain										
	0.00	35.00	1	35.00	1.50	0.15	7.88			
Park Side Upstairs Drain RHS										
	0.00	30.00	1	30.00	3.20	0.15	14.40			
Ashok Group of Insitute (Collage Road) (RHS)										
From Bridge to Y Junction	340.00	370.00	1	30.00	1.10	0.15	4.95			
	370.00	382.00	1	12.00	1.10	0.15	1.98			

	CHAINAGE		NO's	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
Ayush clinic	382.00	399.20	1	17.20				Cross Road 2 CD 3 Culvert
	399.20	429.20	1	30.00	1.10	0.15	4.95	
	429.20	436.60	1	7.40	1.10	0.15	1.22	Not Ext
	436.60	447.60	1	11.00				
	447.60	477.60	1	30.00	1.10	0.15	4.95	
	477.60	485.20	1	7.60	1.10	0.15	1.25	
Fast Food	485.20	495.70	1	10.50				Cross Road 4 CD 4 Culvert
	495.70	525.70	1	30.00	1.10	0.15	4.95	
	525.70	531.50	1	5.80	1.10	0.15	0.96	
	531.50	541.50	1	10.00	1.20	0.15	1.80	
Vishveshwarya Layout								
1st Cross Road LHS								
From Abbigere Main Road	0.00	21.50	1	21.50	0.75	0.15	2.42	
1st Cross Road RHS								
From Abbigere Main Road	0.00	8.40	1	8.40	0.75	0.15	0.95	
Abbigere Main Road								
Divya Apparatment Road LHS (Towards Raghu Land)								
From Divya App Opp Side	900.00	930.00	1	30.00	1.20	0.15	5.40	
	930.00	960.00	1	30.00	1.20	0.15	5.40	
	960.00	974.20	1	14.20	1.20	0.15	2.56	
Divya Apparatment Road RHS								
From Divya App to Police Station	975.00	1005.00	1	30.00	1.20	0.15	5.40	
	1005.00	1017.00	1	12.00	1.20	0.15	2.16	
	1017.00	1025.00	1	8.00	1.20	0.15	1.44	
	1025.00	1046.80	1	21.80	1.20	0.15	3.92	
Nussery	1046.80	1056.30	1	9.50				CD 5 Culvert
	1046.80	1076.80	1	30.00	1.20	0.15	5.40	
	1076.80	1106.80	1	30.00	1.20	0.15	5.40	
	1106.80	1136.80	1	30.00	1.20	0.15	5.40	
	1136.80	1166.80	1	30.00	1.20	0.15	5.40	
Infront of Police Station	1166.80	1194.00	1	27.20	1.20	0.15	4.90	
	1194.00	1213.20	1	19.20	1.20	0.15	3.46	
Old Drain								
	975.00	1005.00	1	30.00	1.20	0.15	5.40	Site Dispute
	1005.00	1017.00	1	12.00	1.20	0.15	2.16	Site Dispute
	1017.00	1025.00	1	8.00	1.20	0.15	1.44	Site Dispute

	CHAINAGE		NO's	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	1025.00	1046.80	1	21.80	1.20	0.15	3.92	Site Dispute
Abbigere Park LHS								
From Circle to Police Station	1078.00	1108.00	1	30.00	1.20	0.15	5.40	
	1108.00	1138.00	1	30.00	1.20	0.15	5.40	
	1138.00	1168.00	1	30.00	1.20	0.15	5.40	
	1168.00	1198.00	1	30.00	1.20	0.15	5.40	
	1198.00	1228.00	1	30.00	1.20	0.15	5.40	
	1198.00	1210.00	1	12.00	1.20	0.15	2.16	
For Drain Wall								
Abbigere Main Road								
Ashok Group of Insitute (Collage Road) (LHS)								
From BSF Compound to Culvert 2	176.00	180.00	2	4.00	0.15	0.90	1.08	
	180.00	210.00	2	30.00	0.15	0.90	8.10	
	210.00	240.00	2	30.00	0.15	0.93	8.37	
	240.00	270.00	2	30.00	0.15	0.92	8.28	
	270.00	300.00	2	30.00	0.15	0.92	8.28	
	300.00	330.00	2	30.00	0.15	0.95	8.55	
	330.00	334.50	2	4.50	0.15	1.40	1.89	
	334.50	364.50	2	30.00				N/t
	364.50	392.10	2	27.60				N/t
	392.10	422.10	2	30.00	0.15	1.20	10.80	
	422.10	452.10	2	30.00	0.15	1.15	10.35	
	452.10	482.10	2	30.00	0.15	1.22	10.98	
	482.10	512.10	2	30.00	0.15	1.23	11.07	
	512.10	537.10	2	25.00	0.15	1.43	10.73	
	537.10	548.30	2	11.20	0.20	1.90	8.51	
LHS Approach								
From Culvert 2 to Swdrain	0.00	15.50	2	14.30	0.37	1.85	19.58	
					0.3+0.4 /2	(1.8+1.9) 2		
Collage Front Drain								
	0.00	35.00	2	35.00	0.15	2.00	21.00	
Park Side Upstairs Drain RHS								
	0.00	30.00	2	30.00	0.15	3.00	27.00	
Ashok Group of Insitute (Collage Road) (RHS)								
From Bridge to Y Junction	340.00	370.00	2	30.00	0.15	0.90	8.10	
	370.00	382.00	2	12.00	0.15	0.95	3.42	
Ayush clinic	382.00	399.20	2	17.20				
	399.20	429.20	2	30.00	0.15	0.90	8.10	Cross Road 2 CD 3 Culvert
	429.20	436.60	2	7.40	0.15	0.90	2.00	

	CHAINAGE		NO's	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	436.60	447.60	2	11.00				Not Ext
	447.60	477.60	2	30.00	0.15	0.92	8.28	
	477.60	485.20	2	7.60	0.15	0.92	2.10	
Fast Food	485.20	495.70	2	10.50				Cross Road 4
	495.70	525.70	2	30.00	0.15	0.92	8.28	CD 4 Culvert
	525.70	531.50	2	5.80	0.15	0.92	1.60	
	531.50	541.50	2	10.00	0.15	1.22	3.66	
Vishveshwarya Layout								
1st Cross Road LHS								
From Abbigere Main Road	0.00	21.50	2	21.50	0.15	0.55	3.55	
1st Cross Road RHS								
From Abbigere Main Road	0.00	8.40	2	8.40	0.15	0.50	1.26	
Abbigere Main Road								
Divya Apparatment Road LHS (Towards Raghu Land)								
From Divya App Opp Side	900.00	930.00	2	30.00	1.10	0.15	9.90	
	930.00	960.00	2	30.00	1.10	0.15	9.90	
	960.00	974.20	2	14.20	1.10	0.15	4.69	
Divya Apparatment Road RHS								
From Divya App to Police Station	975.00	1005.00	1	30.00	0.15	1.20	5.40	
	1005.00	1017.00	1	12.00	0.15	0.90	1.62	
	1017.00	1025.00	1	8.00	0.15	0.90	1.08	
	1025.00	1046.80	2	21.80	0.15	0.90	5.89	
Nussery	1046.80	1056.30	2	9.50				CD 5 Culvert
	1046.80	1076.80	2	30.00	0.15	0.95	8.55	
	1076.80	1106.80	2	30.00	0.15	0.90	8.10	
	1106.80	1136.80	2	30.00	0.15	0.90	8.10	
	1136.80	1166.80	2	30.00	0.15	0.90	8.10	
Infront of Police Station	1166.80	1194.00	2	27.20	0.15	0.90	7.34	
	1194.00	1213.20	2	19.20	0.15	1.25	7.20	
Divya Apparatment Road RHS (0.30 thickness)								
From Divya App to Police Station	975.00	1005.00	1	30.00	0.15	1.20	5.40	
	1005.00	1017.00	1	12.00	0.15	0.90	1.62	
	1017.00	1025.00	1	8.00	0.15	0.90	1.08	
Old Drain								
	975.00	1005.00	2	30.00	1.10	0.15	9.90	Site Dispute
	1005.00	1017.00	2	12.00	1.10	0.15	3.96	Site Dispute
Abbigere Park LHS								
From Circle to Police Station	1078.00	1108.00	2	30.00	0.15	0.95	8.55	
	1108.00	1138.00	2	30.00	0.15	0.95	8.55	

CHAINAGE	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
Land Mark						
1138.00	1168.00	2	30.00	0.15	0.95	8.55
1168.00	1198.00	2	30.00	0.15	0.95	8.55
1198.00	1228.00	2	30.00	0.15	0.95	8.55
1198.00	1210.00	2	12.00	0.15	0.95	3.42
Total Qty Work Done					605.44	Cum
Qty Payable in this bill					605.44	Cum

Jayaram
PMC

Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rajesh
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	28	17/10/21, 18/11/21, 24/12/21, 12/1/22, 20/1/22, 17/2/22
Item Name:	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	

Sl no	Dia of Bar in mm	Side	Spacing of Bar	Nos	Length of Bar in mtr	Total Length of Bar in mtr	Type of Bar	Standard Weight per Meter in kgs	Weight of Steel in kgs	Remarks
For Drain										
Abbigere Main Road										
Ashok Group of Insitute (Collage Road) (LHS)										
1	8	2	150mm/CC	17	314.00	10885.3	Distribution	0.39	4245	
2	10	2	125mm/CC	2512	2.6	13062.4	Main Bar	0.62	8099	
LHS Approach										
1	8	2	150mm/CC	24	15.50	744.0	Distribution	0.39	290	
2	10	2	125mm/CC	124	3.6	892.8	Main Bar	0.62	554	
Collage Front Drain										
1	8	2	150mm/CC	15	35.00	1026.7	Distribution	0.39	400	
2	10	2	125mm/CC	280	2.2	1232.0	Main Bar	0.62	764	
Park Side Upstairs Drain RHS										
1	8	2	150mm/CC	20	35.00	1400.0	Distribution	0.39	546	
2	10	2	125mm/CC	280	3	1680.0	Main Bar	0.62	1042	
Ashok Group of Insitute (Collage Road) (RHS)										
1	8	2	150mm/CC	17	164.00	5685.3	Distribution	0.39	2217	
2	10	2	125mm/CC	1312	2.6	6822.4	Main Bar	0.62	4230	
Vishveshwarya Layout										
1st Cross Road LHS										
1	8	2	150mm/CC	17	22.00	762.7	Distribution	0.39	297	
2	10	2	125mm/CC	176	2.6	915.2	Main Bar	0.62	567	
1st Cross Road RHS										
1	8	2	150mm/CC	17	8.50	294.7	Distribution	0.39	115	
2	10	2	125mm/CC	68	2.6	353.6	Main Bar	0.62	219	
Abbigere Main Road										
Divya Apparatment Road LHS (Towards Raghu Land)										
1	8	2	150mm/CC	19	75.00	2800.0	Distribution	0.39	1092	
2	10	2	125mm/CC	600	2.8	3360.0	Main Bar	0.62	2083	
Divya Apparatment Road RHS										
1	8	2	150mm/CC	19	240.00	8960.0	Distribution	0.39	3494	
2	10	2	125mm/CC	1920	2.8	10752.0	Main Bar	0.62	6666	
Old Drain										
1	8	2	150mm/CC	19	72.00	2688.0	Distribution	0.39	1048	
2	10	2	125mm/CC	576	2.8	3225.6	Main Bar	0.62	2000	
Abbigere Park LHS										
1	8	2	150mm/CC	19	164.00	6122.7	Distribution	0.39	2388	
2	10	2	125mm/CC	1312	2.8	7347.2	Main Bar	0.62	4555	
FOR CULVERT										
Abbigere Main Road										
Main Road CD 1										
1	12	2	125mm/CC	33	18.10	1187.4	Distribution	0.89	1057	

2	16	2	100mm/CC	181	4.1	1484.2	Main Bar	1.58	2345	
Main Road CD 2										
1	12	2	125mm/CC	35	26.50	1865.6	Distribution	0.89	1660	
2	16	2	100mm/CC	265	4.4	2332.0	Main Bar	1.58	3685	
2nd Cross Road CD 3										
1	12	2	125mm/CC	21	17.2	715.5	Distribution	0.89	637	
2	16	2	100mm/CC	172	2.6	894.4	Main Bar	1.58	1413	
4th Cross Road CD 4										
1	12	2	125mm/CC	21	10.5	436.8	Distribution	0.89	389	
2	16	2	100mm/CC	105	2.6	546.0	Main Bar	1.58	863	
Main Road (RHS) Nussery CD 5										
1	12	2	125mm/CC	66	9.5	1246.4	Distribution	0.89	1109	
2	16	2	100mm/CC	95	8.2	1558.0	Main Bar	1.58	2462	
FOR DECK SLAB										
Abbigere Main Road										
Main Road CD 1										
1	12	2	125mm/CC	18	18.10	637.1	Distribution	0.89	567	
2	16	1	100mm/CC	181	2.2	398.2	Main Bar	1.58	629	
Top rod										
3	16	1	100mm/CC	181	1.9	343.9	Main Bar	1.58	543	
Main Road CD 2										
1	12	2	125mm/CC	22	26.50	1144.8	Distribution	0.89	1019	
2	16	1	100mm/CC	265	2.7	715.5	Main Bar	1.58	1130	
Top rod										
3	16	1	100mm/CC	265	2.5	662.5	Main Bar	1.58	1047	
2nd Cross Road CD 3										
1	12	2	125mm/CC	12	17.5	420.0	Distribution	0.89	374	
2	12	1	100mm/CC	175	1.5	262.5	Main Bar	0.89	234	
Top rod										
3	12	1	100mm/CC	175	1.2	210.0	Main Bar	0.89	187	
4th Cross Road CD 4										
1	12	2	125mm/CC	12	10.5	252.0	Distribution	0.89	224	
2	12	1	100mm/CC	105	1.5	157.5	Main Bar	0.89	140	
Top rod										
3	12	1	100mm/CC	105	1.2	126.0	Main Bar	0.89	112	
Main Road (RHS) Nussery CD 5										
1	12	2	125mm/CC	12	9.5	228.0	Distribution	0.89	203	
2	12	1	100mm/CC	95	1.5	142.5	Main Bar	0.89	127	
Top rod										
3	12	1	100mm/CC	95	1.2	114.0	Main Bar	0.89	101	
SSM Culvert (Bridge)										
1	16	2	125mm/CC	63	26	3286.4	Distribution	1.50	4930	
2	25	1	100mm/CC	260	7.9	2054.0	Main Bar	3.80	7805	
Top rod										
3	16	1	100mm/CC	260	7.4	1924.0	Main Bar	1.50	2886	
Total Quantity of Steel in Kg's									84790.5	kgs
Total Quantity of Steel in Tonne's									84.79	Tonnes
Qty Reserved to Schedule-B Qty									84.00	Tonnes

Jeyanand
PME

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

First and Part

Item No:	33	25/4/2022					✓	
Item Name:	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, HOM, curing, lead and lift charges etc, Complete as per MORTH specifications No. 1500,1700.							
	CHAINAGE	NO's	L	B	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)			
For Drain								
Abbigere Main Road								
Ashok Group of Insitute (Collage Road) (LHS)								
From BSF Compound to Culvert 2	176.00	180.00	1	4.00 ✓	1.20	4.80	CSFC 25/4	
	180.00	210.00	1	30.00 ✓	1.20	36.00		
	210.00	240.00	1	30.00 ✓	1.20	36.00		
	240.00	270.00	1	30.00 ✓	1.20	36.00		
	270.00	300.00	1	30.00 ✓	1.20	36.00		
	300.00	330.00	1	30.00 ✓	1.20	36.00		
	330.00	334.50	1	4.50 ✓	1.20	5.40		
	334.50	364.50	1	30.00				N/t
	364.50	392.10	1	27.60				N/t
	392.10	422.10	1	30.00 ✓	1.20	36.00		
	422.10	452.10	1	30.00 ✓	1.20	36.00		
	452.10	482.10	1	30.00 ✓	1.20	36.00		
	482.10	512.10	1	30.00 ✓	1.20	36.00		
	512.10	537.10	1	25.00 ✓	1.20	30.00		
	537.10	548.30	1	11.20 ✓	1.40	15.68		
Ashok Group of Insitute (Collage Road) (RHS)								
From Bridge to Y Junction	340.00	370.00	1	30.00 ✓	1.20	36.00		
	370.00	382.00	1	12.00 ✓	1.20	14.40		
Ayush clinic	382.00	399.20	1	17.20				
	399.20	429.20	1	30.00 ✓	1.20	36.00	Cross Road 2 CD 3 Culvert	
	429.20	436.60	1	7.40 ✓	1.20	8.88		
	436.60	447.60	1	11.00				
	447.60	477.60	1	30.00 ✓	1.20	36.00	Not Ext	
	477.60	485.20	1	7.60 ✓	1.20	9.12		
Fast Food	485.20	495.70	1	10.50				
	495.70	525.70	1	30.00 ✓	1.20	36.00	Cross Road 4 CD 4 Culvert	

CHAINAGE		NO's	L	B	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)		
	525.70	531.50	1	5.80	1.20	6.96	
	531.50	541.50	1	10.00	1.20	12.00	
Vishveshwarya Layout							
1st Cross Road LHS							
From Abbigere Main Road	0.00	21.50	1	21.50	0.90	19.35	
1st Cross Road RHS							
From Abbigere Main Road	0.00	8.40	1	8.40	0.90	7.56	
Abbigere Main Road							
Divya Apparatment Road LHS (Towards Raghu Land)							
From Divya App Opp Side	900.00	930.00	1	30.00	1.20	36.00	CD 5 Culvert
	930.00	960.00	1	30.00	1.20	36.00	
	960.00	974.20	1	14.20	1.20	17.04	
Divya Apparatment Road RHS							
From Divya App to Police Station	975.00	1005.00	1	30.00	1.20	36.00	
	1005.00	1017.00	1	12.00	1.20	14.40	
	1017.00	1025.00	1	8.00	1.20	9.60	
	1025.00	1046.80	1	21.80	1.20	26.16	
Nussery	1046.80	1056.30	1	9.50			
	1046.80	1076.80	1	30.00	1.20	36.00	
	1076.80	1106.80	1	30.00	1.20	36.00	
	1106.80	1136.80	1	30.00	1.20	36.00	
	1136.80	1166.80	1	30.00	1.20	36.00	
Infront of Police Station	1166.80	1194.00	1	27.20	1.20	32.64	
	1194.00	1213.20	1	19.20	1.20	23.04	
Abbigere Park LHS							
From Circle to Police Station	1078.00	1108.00	1	30.00	1.20	36.00	
	1108.00	1138.00	1	30.00	1.20	36.00	
	1138.00	1168.00	1	30.00	1.20	36.00	
	1168.00	1198.00	1	30.00	1.20	36.00	
	1198.00	1228.00	1	30.00	1.20	36.00	
	1198.00	1210.00	1	12.00	1.20	14.40	
Total Qty Work Done						1171.43	m
Qty Payable in this bill						1171.43	m

Jayaram
RMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	35	8/11/2021, 12/11/2021									
Item Name:	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision										
	CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS		
	Land Mark		(m)	(m)	(m)	(m)	(m)				
For Road Work											
Abbigere Main Road											
Ashok Group of Insitute (Collage Road)											
From Kalanagar to Culvert 2	111.00	141.00	1	30.00	23.00	22.00	22.50	0.15	101.25	Culvert	
	141.00	171.00	1	30.00	22.00	20.00	21.00	0.15	94.50		
	171.00	198.00	1	27.00	20.00	18.00	19.00	0.15	76.95		
	198.00	228.00	1	30.00	18.00	18.00	18.00	0.15	81.00		
	228.00	258.00	1	30.00	18.00	16.00	17.00	0.15	76.50		
	258.00	288.00	1	30.00	16.00	15.00	15.50	0.15	69.75		
	288.00	318.00	1	30.00	15.00	16.00	15.50	0.15	69.75		
	318.00	348.00	1	30.00	16.00	24.00	20.00	0.15	90.00		
	348.00	355.00	1	7.00	24.00	25.00	24.50	0.15	25.73		
	355.00	362.20	1	7.20							Bridge
	362.20	392.20	1	30.00	20.00	21.00	20.50	0.15	92.25		
	392.20	414.70	1	22.50	21.00	20.00	20.50	0.15	69.19		
	414.70	416.40	1	1.70							Culvert
	416.40	446.40	1	30.00	20.00	21.00	20.50	0.15	92.25		
	446.40	476.40	1	30.00	21.00	20.00	20.50	0.15	92.25		
	476.40	506.40	1	30.00	20.00	20.00	20.00	0.15	90.00		
506.40	536.40	1	30.00	20.00	20.00	20.00	0.15	90.00			
536.40	563.90	1	27.50	20.00	19.00	19.50	0.15	80.44			
563.90	588.90	1	25.00	19.00	22.00	21.20	0.15	79.50			
Abbigere Main Road											
SR Complex Front Side (LHS)											
From Pan Store Front	900.00	930.00	1	30.00	4.70	5.00	4.85	0.15	21.83	Circle	
	930.00	960.00	1	30.00	5.00	4.12	4.56	0.15	20.52		
	960.00	990.00	1	30.00	4.12	3.30	3.71	0.15	16.70		
	990.00	1020.00	1	30.00	3.30	4.50	3.90	0.15	17.55		
	1020.00	1050.00	1	30.00	4.50	5.00	4.75	0.15	21.38		
	1050.00	1062.00	1	12.00	5.00	4.25	4.63	0.15	8.33		
	1062.00	1088.00	1	26.00							
	1088.00	1118.00	1	30.00	3.60	7.40	5.50	0.15	24.75		
	1118.00	1148.00	1	30.00	7.40	7.00	7.20	0.15	32.40		
	1148.00	1178.00	1	30.00	7.00	7.00	7.00	0.15	31.50		
	1178.00	1208.00	1	30.00	7.00	7.20	7.10	0.15	31.95		
	1208.00	1238.00	1	30.00	7.20	7.70	7.45	0.15	33.53		
1208.00	1212.00	1	4.00	7.20	7.60	7.40	0.15	4.44			

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
Abbigere Park Front (RHS)										
From Pan Store Front	1088.00	1118.00	1	30.00	4.70	5.00	4.85	0.15	21.83	
	1118.00	1148.00	1	30.00	5.00	4.12	4.56	0.15	20.52	
	1148.00	1178.00	1	30.00	4.12	3.30	3.71	0.15	16.70	
	1178.00	1208.00	1	30.00	3.30	4.50	3.90	0.15	17.55	
	1208.00	1213.10	1	5.10	4.50	5.00	4.75	0.15	3.63	
Police Station										
			1	20.00	2.50	3.10	2.80	0.15	8.40	
Abbigere Industrial Cross Roads										
Connecting Road 7 to 10 (Downside)										
7 to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	0.15	26.73	
8 to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	0.15	11.04	
9 to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	0.15	15.55	
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	0.15	7.95	
Connecting Road 8 to 10 (Upside)										
8 to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	0.15	18.06	
9 to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	0.15	13.86	
6th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	0.15	18.45	
	30.00	60.00	1	30.00	3.70	3.90	3.80	0.15	17.10	
	60.00	90.00	1	30.00	3.90	4.00	3.95	0.15	17.78	
	90.00	108.00	1	18.00	4.00	3.40	3.70	0.15	9.99	
From Somashekar House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	0.15	20.48	
	30.00	60.00	1	30.00	4.10	4.20	4.15	0.15	18.68	
	60.00	79.00	1	19.00	4.20	4.20	4.20	0.15	11.97	
7th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	0.15	5.44	Bellmouth
	5.00	35.00	1	30.00	5.30	4.50	4.90	0.15	22.05	
	35.00	65.00	1	30.00	4.50	4.10	4.30	0.15	19.35	
	65.00	95.00	1	30.00	4.10	4.50	4.30	0.15	19.35	
	95.00	125.00	1	30.00	4.50	4.00	4.25	0.15	19.13	
	125.00	155.00	1	30.00	4.00	5.00	4.50	0.15	20.25	
	155.00	185.00	1	30.00	5.00	4.80	4.90	0.15	22.05	
	185.00	215.00	1	30.00	4.80	4.40	4.60	0.15	20.70	
	215.00	245.00	1	30.00	4.40	4.10	4.25	0.15	19.13	
	245.00	275.00	1	30.00	4.10	4.00	4.05	0.15	18.23	
	275.00	305.00	1	30.00	4.00	4.00	4.00	0.15	18.00	
	305.00	335.00	1	30.00	4.00	4.10	4.05	0.15	18.23	
	335.00	365.00	1	30.00	4.10	4.30	5.20	0.15	23.40	
8th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	0.15	4.89	Bellmouth
	5.00	35.00	1	30.00	4.05	4.05	4.05	0.15	18.23	
	35.00	65.00	1	30.00	4.05	4.00	4.03	0.15	18.11	
	65.00	95.00	1	30.00	4.00	4.50	4.25	0.15	19.13	
	95.00	125.00	1	30.00	4.50	4.30	4.40	0.15	19.80	
	125.00	155.00	1	30.00	4.30	4.00	4.15	0.15	18.68	
	155.00	185.00	1	30.00	4.00	3.95	3.98	0.15	17.89	
	185.00	215.00	1	30.00	3.95	4.50	4.23	0.15	19.01	
	215.00	245.00	1	30.00	4.50	4.40	4.45	0.15	20.03	
	245.00	275.00	1	30.00	4.40	4.70	4.55	0.15	20.48	
	275.00	305.00	1	30.00	4.70	4.25	4.48	0.15	20.14	

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	305.00	335.00	1	30.00	4.25	5.20	4.73	0.15	21.26	
	335.00	365.00	1	30.00	5.20	4.65	4.93	0.15	22.16	
	365.00	377.00	1	12.00	4.65	4.70	4.68	0.15	8.42	
9th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.10	4.00	4.55	0.15	20.48	
	30.00	60.00	1	30.00	4.00	5.00	4.50	0.15	20.25	
	60.00	90.00	1	30.00	4.50	4.20	4.35	0.15	19.58	
	90.00	120.00	1	30.00	4.20	4.85	4.53	0.15	20.36	
	120.00	150.00	1	30.00	4.85	4.50	4.68	0.15	21.04	
	150.00	180.00	1	30.00	4.50	4.50	4.50	0.15	20.25	
	180.00	210.00	1	30.00	4.50	4.70	4.60	0.15	20.70	
	210.00	240.00	1	30.00	4.70	3.85	4.28	0.15	19.24	
	240.00	270.00	1	30.00	3.85	3.40	3.63	0.15	16.31	
	270.00	300.00	1	30.00	4.50	3.10	3.80	0.15	17.10	
	300.00	330.00	1	30.00	3.10	3.50	3.30	0.15	14.85	
	330.00	360.00	1	30.00	3.50	3.30	3.40	0.15	15.30	
360.00	390.00	1	30.00	3.30	3.60	3.45	0.15	15.53		
390.00	406.00	1	16.00	3.60	3.30	3.45	0.15	8.28		
10th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.20	3.90	4.05	0.15	18.23	
	30.00	60.00	1	30.00	3.90	3.50	3.70	0.15	16.65	
	60.00	90.00	1	30.00	3.50	4.30	3.90	0.15	17.55	
	90.00	120.00	1	30.00	4.30	4.40	4.35	0.15	19.58	
	120.00	150.00	1	30.00	4.40	4.00	4.20	0.15	18.90	
	150.00	180.00	1	30.00	4.00	4.50	4.25	0.15	19.13	
	180.00	210.00	1	30.00	4.50	4.20	4.35	0.15	19.58	
	210.00	240.00	1	30.00	4.20	4.70	4.45	0.15	20.03	
	240.00	270.00	1	30.00	4.70	4.80	4.75	0.15	21.38	
	270.00	300.00	1	30.00	4.80	4.00	4.40	0.15	19.80	
	300.00	330.00	1	30.00	4.00	4.00	4.00	0.15	18.00	
	330.00	360.00	1	30.00	4.00	4.00	4.00	0.15	18.00	
360.00	382.00	1	22.00	4.00	3.00	3.50	0.15	11.55		
12th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	6.10	5.30	5.70	0.15	25.65	
	30.00	60.00	1	30.00	5.30	4.80	5.05	0.15	22.73	
	60.00	90.00	1	30.00	4.80	6.50	5.65	0.15	25.43	
	90.00	120.00	1	30.00	6.50	4.00	5.25	0.15	23.63	
	120.00	150.00	1	30.00	4.00	3.95	3.98	0.15	17.89	
	150.00	180.00	1	30.00	3.95	4.60	4.28	0.15	19.24	
	180.00	210.00	1	30.00	4.60	4.00	4.30	0.15	19.35	
	210.00	240.00	1	30.00	4.00	4.10	4.05	0.15	18.23	
	240.00	270.00	1	30.00	4.10	3.65	3.88	0.15	17.44	
	270.00	300.00	1	30.00	3.65	4.00	3.83	0.15	17.21	
	300.00	330.00	1	30.00	4.00	3.75	3.88	0.15	17.44	
	330.00	350.00	1	20.00	3.75	4.10	3.93	0.15	11.78	
	350.00	380.00	1	30.00	4.10	3.60	3.85	0.15	17.33	
	380.00	410.00	1	30.00	3.60	4.25	3.93	0.15	17.66	
	410.00	414.00	1	4.00	4.25	8.20	6.23	0.15	3.74	Bellmouth
Vishveshwarya Layout										
1st Cross Road										

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
From Abbigere Main Road to Dead End	0.00	30.00	1	30.00	7.00	7.00	7.00	0.15	31.50	ESFC 12/11
	30.00	60.00	1	30.00	7.00	5.00	6.00	0.15	27.00	
	60.00	90.00	1	30.00	5.00	5.50	5.25	0.15	23.63	
	90.00	108.00	1	18.00	5.50	5.10	5.30	0.15	14.31	
2nd Cross Road										
From Abbigere Main Road to Existing Asphalt Road	0.00	15.50	1	18.00	5.50	5.60	5.55	0.15	14.99	
3rd Cross Road										
From Abbigere Main Road to Existing Asphalt Road	0.00	19.00	1	19.00	5.40	5.50	5.45	0.15	15.53	
4th Cross Road										
From Abbigere Main Road to Existing Asphalt Road	0.00	20.00	1	20.00	5.30	5.50	5.40	0.15	16.20	
Total Qty Work Done									3331.37	Cum
Qty Reserved to Schedule-B Qty									2926.40	Cum

Sayam
PMC

Siddh
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

P. V. S. S.
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

ROAD INFRA DASARAHALLI

First and Part

36

36	27/11/2021, 22/4/2021	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification
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Abbigere Park Front (RHS)

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
From Pan Store Front	1088.00	1118.00	1	30.00	4.70	5.00	4.85	0.25	36.38	
	1118.00	1148.00	1	30.00	5.00	4.12	4.56	0.25	34.20	
	1148.00	1178.00	1	30.00	4.12	3.30	3.71	0.25	27.83	
	1178.00	1208.00	1	30.00	3.30	4.50	3.90	0.25	29.25	
	1208.00	1213.10	1	5.10	4.50	5.00	4.75	0.25	6.06	
Police Station									14.00	
Abbigere Industrial Cross Roads										
Connecting Road 7 to 10 (Downside)										
to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	0.25	44.55	
8 to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	0.25	18.40	
9 to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	0.25	25.92	
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	0.25	13.25	
Connecting Road 8 to 10 (Upside)										
to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	0.25	30.10	
9 to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	0.25	23.10	
6th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	0.25	30.75	
	30.00	60.00	1	30.00	3.70	3.90	3.80	0.25	28.50	
	60.00	90.00	1	30.00	3.90	4.00	3.95	0.25	29.63	
	90.00	108.00	1	18.00	4.00	3.40	3.70	0.25	16.65	
From Somashekara House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	0.25	34.13	
	30.00	60.00	1	30.00	4.10	4.20	4.15	0.25	31.13	
	60.00	79.00	1	19.00	4.20	4.20	4.20	0.25	19.95	
7th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	0.25	9.06	Bellmouth
	5.00	35.00	1	30.00	5.30	4.50	4.90	0.25	36.75	
	35.00	65.00	1	30.00	4.50	4.10	4.30	0.25	32.25	
	65.00	95.00	1	30.00	4.10	4.50	4.30	0.25	32.25	
	95.00	125.00	1	30.00	4.50	4.00	4.25	0.25	31.88	
	125.00	155.00	1	30.00	4.00	5.00	4.50	0.25	33.75	
	155.00	185.00	1	30.00	5.00	4.80	4.90	0.25	36.75	
	185.00	215.00	1	30.00	4.80	4.40	4.60	0.25	34.50	
	215.00	245.00	1	30.00	4.40	4.10	4.25	0.25	31.88	
	245.00	275.00	1	30.00	4.10	4.00	4.05	0.25	30.38	
	275.00	305.00	1	30.00	4.00	4.00	4.00	0.25	30.00	
	305.00	335.00	1	30.00	4.00	4.10	4.05	0.25	30.38	
	335.00	365.00	1	30.00	4.10	4.30	5.20	0.25	39.00	
8th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	0.25	8.16	Bellmouth
	5.00	35.00	1	30.00	4.05	4.05	4.05	0.25	30.38	
	35.00	65.00	1	30.00	4.05	4.00	4.03	0.25	30.19	
	65.00	95.00	1	30.00	4.00	4.50	4.25	0.25	31.88	
	95.00	125.00	1	30.00	4.50	4.30	4.40	0.25	33.00	
	125.00	155.00	1	30.00	4.30	4.00	4.15	0.25	31.13	
	155.00	185.00	1	30.00	4.00	3.95	3.98	0.25	29.81	
	185.00	215.00	1	30.00	3.95	4.50	4.23	0.25	31.69	
	215.00	245.00	1	30.00	4.50	4.40	4.45	0.25	33.38	
	245.00	275.00	1	30.00	4.40	4.70	4.55	0.25	34.13	
	275.00	305.00	1	30.00	4.70	4.25	4.48	0.25	33.56	
	305.00	335.00	1	30.00	4.25	5.20	4.73	0.25	35.44	
	335.00	365.00	1	30.00	5.20	4.65	4.93	0.25	36.94	

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	365.00	377.00	1	12.00	4.65	4.70	4.68	0.25	14.03	
9th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.10	4.00	4.55	0.25	34.13	
	30.00	60.00	1	30.00	4.00	5.00	4.50	0.25	33.75	
	60.00	90.00	1	30.00	4.50	4.20	4.35	0.25	32.63	
	90.00	120.00	1	30.00	4.20	4.85	4.53	0.25	33.94	
	120.00	150.00	1	30.00	4.85	4.50	4.68	0.25	35.06	
	150.00	180.00	1	30.00	4.50	4.50	4.50	0.25	33.75	
	180.00	210.00	1	30.00	4.50	4.70	4.60	0.25	34.50	
	210.00	240.00	1	30.00	4.70	3.85	4.28	0.25	32.06	
	240.00	270.00	1	30.00	3.85	3.40	3.63	0.25	27.19	
	270.00	300.00	1	30.00	4.50	3.10	3.80	0.25	28.50	
	300.00	330.00	1	30.00	3.10	3.50	3.30	0.25	24.75	
	330.00	360.00	1	30.00	3.50	3.30	3.40	0.25	25.50	
	360.00	390.00	1	30.00	3.30	3.60	3.45	0.25	25.88	
	390.00	406.00	1	16.00	3.60	3.30	3.45	0.25	13.80	
10th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.20	3.90	4.05	0.25	30.38	
	30.00	60.00	1	30.00	3.90	3.50	3.70	0.25	27.75	
	60.00	90.00	1	30.00	3.50	4.30	3.90	0.25	29.25	
	90.00	120.00	1	30.00	4.30	4.40	4.35	0.25	32.63	
	120.00	150.00	1	30.00	4.40	4.00	4.20	0.25	31.50	
	150.00	180.00	1	30.00	4.00	4.50	4.25	0.25	31.88	
	180.00	210.00	1	30.00	4.50	4.20	4.35	0.25	32.63	
	210.00	240.00	1	30.00	4.20	4.70	4.45	0.25	33.38	
	240.00	270.00	1	30.00	4.70	4.80	4.75	0.25	35.63	
	270.00	300.00	1	30.00	4.80	4.00	4.40	0.25	33.00	
	300.00	330.00	1	30.00	4.00	4.00	4.00	0.25	30.00	
	330.00	360.00	1	30.00	4.00	4.00	4.00	0.25	30.00	
	360.00	382.00	1	22.00	4.00	3.00	3.50	0.25	19.25	
12th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	6.10	5.30	5.70	0.25	42.75	
	30.00	60.00	1	30.00	5.30	4.80	5.05	0.25	37.88	
	60.00	90.00	1	30.00	4.80	6.50	5.65	0.25	42.38	
	90.00	120.00	1	30.00	6.50	4.00	5.25	0.25	39.38	
	120.00	150.00	1	30.00	4.00	3.95	3.98	0.25	29.81	
	150.00	180.00	1	30.00	3.95	4.60	4.28	0.25	32.06	
	180.00	210.00	1	30.00	4.60	4.00	4.30	0.25	32.25	
	210.00	240.00	1	30.00	4.00	4.10	4.05	0.25	30.38	
	240.00	270.00	1	30.00	4.10	3.65	3.88	0.25	29.06	
	270.00	300.00	1	30.00	3.65	4.00	3.83	0.25	28.69	
	300.00	330.00	1	30.00	4.00	3.75	3.88	0.25	29.06	
	330.00	350.00	1	20.00	3.75	4.10	3.93	0.25	19.63	
	350.00	380.00	1	30.00	4.10	3.60	3.85	0.25	28.88	
	380.00	410.00	1	30.00	3.60	4.25	3.93	0.25	29.44	
	410.00	414.00	1	4.00	4.25	8.20	6.23	0.25	6.23	Bellmouth
Vishveshwarya Layout										
1st Cross Road										
From Abbigere Main Road to Dead End	0.00	30.00	1	30.00	7.00	7.00	7.00	0.25	52.50	
	30.00	60.00	1	30.00	7.00	5.00	6.00	0.25	45.00	
	60.00	90.00	1	30.00	5.00	5.50	5.25	0.25	39.38	

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	90.00	108.00	1	18.00	5.50	5.10	5.30	0.25	23.85	CLF 2211 2214
2nd Cross Road										
From Abbigere Main Road to Existing Asphalt Road	0.00	15.50	1	18.00	5.50	5.60	5.55	0.25	24.98	
3rd Cross Road										
From Abbigere Main Road to Existing Asphalt Road	0.00	19.00	1	19.00	5.40	5.50	5.45	0.25	25.89	
4th Cross Road										
From Abbigere Main Road to Existing Asphalt Road	0.00	20.00	1	20.00	5.30	5.50	5.40	0.25	27.00	
Total Qty Work Done									5552.28	Cum
Qty Reserved to Schedule-B Qty									4603.15	Cum

Checked sheet No (36)

22/11/21

Sayam B D
PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	37	12/11/2021, 27/11/2021					
Item Name:	Providing and constructing granite I trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications.						
	CHAINAGE	NO's	L	AvgB	D	QTY	REMARKS
	Land Mark		(m)	(m)	(m)		
For Culvert Foundation							
Abbigere Main Road							
SSM Culvert (Bridge)							
	0.00	26.00	2	26.00	2.20	0.60	68.64
Total Qty Work Done						68.64	Cum
Qty Reserved to Schedule-B Qty						41.09	Cum

fayazhba
PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	38	8/2/2022, 9/2/2022						✓
Item Name:	Providing and constructing granite I trap / basalt size stone masonry in super structure with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications.							
	CHAINAGE	NO's	L	AvgB	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)			
For Culvert Structure								
Abbigere Main Road								
SSM Culvert (Bridge)								
Avg(2.0+0.60/2)	0.00	26.00	2	26.00	1.30	1.90	128.44	
Total Qty Work Done						128.44	Cum	
Qty Reserved to Schedule-B Qty						26.41	Cum	

Sayan
PMC

Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Priyanka
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	39	8/2/2022 , 9/2/2022						✓
Item Name:	Providing flush pointing to Square rubble, course or uncoursed stone masonry with cement mortar 20mm deep after raking joints to the depth 20mm nicely lining including cost of materials labour HOM curing complete as per specification in cement mortar 1:3							
	CHAINAGE	NO's	L	AvgB	D	QTY	REMARKS	
	Land Mark		(m)	(m)	(m)			
For Culvert Structure								
Abbigere Main Road								
SSM Culvert (Bridge)								
Avg(2.0+0.60/2)	0.00	26.00	2	26.00		1.90	98.80	8/2/22
Total Qty Work Done							98.80	Sqm
Qty Payable in this bill							98.80	Sqm

Jayan MB
PMC

Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Pratik Das
Asst.Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

ROAD INFRA DASARAHALLI

Measurement Sheet

First and Part

First and Part							
Item No:	46	25/4/2022					
Item Name:	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.						
	CHAINAGE		L	AvgB	D	QTY	REMARKS
	Land Mark	NO's	(m)	(m)	(m)		
For Kerb							
Abbigere Main Road							
Ashok Group of Insitute (Collage Road) (LHS)							
From BSF Compound to Culvert 2	176.00	180.00	1	4.00		8.89	
	180.00	210.00	1	30.00		66.67	
	210.00	240.00	1	30.00		66.67	
	240.00	270.00	1	30.00		66.67	
	270.00	300.00	1	30.00		66.67	
	300.00	330.00	1	30.00		66.67	
	330.00	332.40	1	2.40		5.33	
	332.40	362.40	1	30.00			N/t
	362.40	390.00	1	27.60			N/t
	390.00	420.00	1	30.00		66.67	
	420.00	450.00	1	30.00		66.67	
	450.00	480.00	1	30.00		66.67	
	480.00	510.00	1	30.00		66.67	
	510.00	536.50	1	26.50		58.89	
	536.50	547.70	1	11.20		24.89	
Ashok Group of Insitute (Collage Road) (RHS)							
From Bridge to Y Junction	340.00	370.00	1	30.00		66.67	
	370.00	379.30	1	9.30		20.67	
	379.30	390.00	1	10.70		23.78	
	390.00	407.15	1	17.15			CD Culvert
	407.15	420.00	1	12.85		28.56	
	420.00	444.50	1	24.50		54.44	
	444.50	455.50	1	11.00			Not Ext
	455.50	485.50	1	30.00		66.67	
	485.50	498.30	1	12.80		28.44	
	498.30	511.10	1	12.80			CD Culvert
	511.10	541.10	1	30.00		66.67	

	CHAINAGE		NO's	L	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
	541.10	546.90	1	5.80			12.89	
Vishveshwarya Layout								
1st Cross Road LHS								
From Abbigere Main Road	0.00	21.50	1	21.50			47.78	
1st Cross Road RHS								
From Abbigere Main Road	0.00	11.50	1	11.50			25.56	
Abbigere Main Road								
Divya Apparatment Road LHS (Towards Raghu Land)								
From Divya App Opp Side	900.00	930.00	1	30.00			66.67	
	930.00	960.00	1	30.00			66.67	
	960.00	975.00	1	15.00			33.33	
Divya Apparatment Road RHS								
From Divya App to Police Station	975.00	1005.00	1	30.00			66.67	
	1005.00	1020.00	1	15.00			33.33	
	1020.00	1044.00	1	24.00			53.33	
	1044.00	1063.60	1	19.60			43.56	
	1063.60	1078.60	1	15.00			33.33	
	1078.60	1108.60	1	30.00			66.67	
	1108.60	1138.60	1	30.00			66.67	
	1138.60	1168.60	1	30.00			66.67	
	1168.60	1198.60	1	30.00			66.67	
	1198.60	1206.10	1	7.50			16.67	
	1206.10	1225.30	1	19.20			42.67	
Abbigere Park LHS								
From Circle to Police Station	1078.00	1108.00	1	30.00			66.67	
	1108.00	1138.00	1	30.00			66.67	
	1138.00	1168.00	1	30.00			66.67	
	1168.00	1198.00	1	30.00			66.67	
	1198.00	1215.10	1	17.10			38.00	
Total Qty Work Done							2167.67	No,s
Qty Payable in this bill							2167.67	No,s

Jayantra
PMC

Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rajesh
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:	55	8/10/2021, 25/10/2021		First and Part					✓
Item Name:	Providing and laying of a reinforced cement concrete NP3 pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 -1997 and approved drawings complete as per specifications.								
	CHAINAGE		NO's	L	AvgB	D	QTY	REMARKS	
	Land Mark			(m)	(m)	(m)			
For UGD Np3 Pipe									
Vishveshwarya Layout									
1st Cross road (M1 - M2)									
	0.00	24.00	1	24.00			24.00		
Main Road (M2 - M3)									
	0.00	17.10	1	17.10			17.10		
2nd Cross road (M4 - M5)									
	0.00	12.50	1	12.50			12.50		
Main Road (M4 - M6)									
	0.00	6.10	1	6.10			6.10	6.10	
Main Road (M6 - M7)									
	0.00	42.40	1	42.40			42.40	25.10	
3rd Cross Road (M7 - M8)									
	0.00	15.50	1	15.50			15.50	6.10	
Main Road (M7 - M9)									
	0.00	25.50	1	25.50			25.50	25.10	
4th Cross road (M9 - M10)									
	0.00	20.00	1	20.00			20.00		
Main Road (M9 - M11)									
	0.00	43.00	1	43.00			43.00		
Main Road (M11 - End)									
	0.00	22.00	1	22.00			22.00		
5th Cross road (M11 - M12)									
	0.00	20.00	1	20.00			20.00		
Ashok Collage Side									
1st Cross road (M1 - M2 - M3)									

CHAINAGE		NO's	L	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)		
0.00	16.50	1	16.50			16.50	- 12.80 - 12.80
0.00	12.80	1	12.80			12.80	
Total Qty Work Done						277.40	M
Qty Payable in this bill						277.40	M

Sayan
PMC

Sayan
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Rupam
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:

57

27/4/22

Item Name:

Providing and applying primer coat with S.S. Sqm bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications

CHAINAGE	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark		(m)	(m)	(m)	(m)	(m)		
For Road Work								
Abbigere Industrial Cross Roads								
Connecting Road 7 to 10 (Downside)								
7 to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	178.20
8 to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	73.60
9 to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	103.68
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	53.00
Connecting Road 8 to 10 (Upside)								
8 to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	120.40
9 to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	92.40
6th Cross Road								
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	123.00
	30.00	60.00	1	30.00	3.70	3.90	3.80	114.00
	60.00	90.00	1	30.00	3.90	4.00	3.95	118.50
	90.00	108.00	1	18.00	4.00	3.40	3.70	66.60
From Somashekar House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	136.50
	30.00	60.00	1	30.00	4.10	4.20	4.15	124.50
	60.00	79.00	1	19.00	4.20	4.20	4.20	79.80
7th Cross Road								
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	36.25
	5.00	35.00	1	30.00	5.30	4.50	4.90	147.00
	35.00	65.00	1	30.00	4.50	4.10	4.30	129.00
	65.00	95.00	1	30.00	4.10	4.50	4.30	129.00
	95.00	125.00	1	30.00	4.50	4.00	4.25	127.50
	125.00	155.00	1	30.00	4.00	5.00	4.50	135.00
	155.00	185.00	1	30.00	5.00	4.80	4.90	147.00
	185.00	215.00	1	30.00	4.80	4.40	4.60	138.00
	215.00	245.00	1	30.00	4.40	4.10	4.25	127.50
	245.00	275.00	1	30.00	4.10	4.00	4.05	121.50
	275.00	305.00	1	30.00	4.00	4.00	4.00	120.00
	305.00	335.00	1	30.00	4.00	4.10	4.05	121.50
	335.00	365.00	1	30.00	4.10	4.30	5.20	156.00
8th Cross Road								
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	32.63
	5.00	35.00	1	30.00	4.05	4.05	4.05	121.50
	35.00	65.00	1	30.00	4.05	4.00	4.03	120.75
	65.00	95.00	1	30.00	4.00	4.50	4.25	127.50
	95.00	125.00	1	30.00	4.50	4.30	4.40	132.00
	125.00	155.00	1	30.00	4.30	4.00	4.15	124.50
	155.00	185.00	1	30.00	4.00	3.95	3.98	119.25
	185.00	215.00	1	30.00	3.95	4.50	4.23	126.75

CCFC
27/4

CCFC
27/4

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
215.00	245.00	1	30.00	4.50	4.40	4.45		133.50	
245.00	275.00	1	30.00	4.40	4.70	4.55		136.50	
275.00	305.00	1	30.00	4.70	4.25	4.48		134.25	
305.00	335.00	1	30.00	4.25	5.20	4.73		141.75	
335.00	365.00	1	30.00	5.20	4.65	4.93		147.75	
365.00	377.00	1	12.00	4.65	4.70	4.68		56.10	

9th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.10	4.00	4.55	136.50	
	30.00	60.00	1	30.00	4.00	5.00	4.50	135.00	
	60.00	90.00	1	30.00	4.50	4.20	4.35	130.50	
	90.00	120.00	1	30.00	4.20	4.85	4.53	135.75	
	120.00	150.00	1	30.00	4.85	4.50	4.68	140.25	
	150.00	180.00	1	30.00	4.50	4.50	4.50	135.00	
	180.00	210.00	1	30.00	4.50	4.70	4.60	138.00	
	210.00	240.00	1	30.00	4.70	3.85	4.28	128.25	
	240.00	270.00	1	30.00	3.85	3.40	3.63	108.75	
	270.00	300.00	1	30.00	4.50	3.10	3.80	114.00	
	300.00	330.00	1	30.00	3.10	3.50	3.30	99.00	
	330.00	360.00	1	30.00	3.50	3.30	3.40	102.00	
	360.00	390.00	1	30.00	3.30	3.60	3.45	103.50	
	390.00	406.00	1	16.00	3.60	3.30	3.45	55.20	

10th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.20	3.90	4.05	121.50	
	30.00	60.00	1	30.00	3.90	3.50	3.70	111.00	
	60.00	90.00	1	30.00	3.50	4.30	3.90	117.00	
	90.00	120.00	1	30.00	4.30	4.40	4.35	130.50	
	120.00	150.00	1	30.00	4.40	4.00	4.20	126.00	
	150.00	180.00	1	30.00	4.00	4.50	4.25	127.50	
	180.00	210.00	1	30.00	4.50	4.20	4.35	130.50	
	210.00	240.00	1	30.00	4.20	4.70	4.45	133.50	
	240.00	270.00	1	30.00	4.70	4.80	4.75	142.50	
	270.00	300.00	1	30.00	4.80	4.00	4.40	132.00	
	300.00	330.00	1	30.00	4.00	4.00	4.00	120.00	
	330.00	360.00	1	30.00	4.00	4.00	4.00	120.00	
	360.00	382.00	1	22.00	4.00	3.00	3.50	77.00	

12th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	6.10	5.30	5.70	171.00	
	30.00	60.00	1	30.00	5.30	4.80	5.05	151.50	
	60.00	90.00	1	30.00	4.80	6.50	5.65	169.50	
	90.00	120.00	1	30.00	6.50	4.00	5.25	157.50	
	120.00	150.00	1	30.00	4.00	3.95	3.98	119.25	
	150.00	180.00	1	30.00	3.95	4.60	4.28	128.25	
	180.00	210.00	1	30.00	4.60	4.00	4.30	129.00	
	210.00	240.00	1	30.00	4.00	4.10	4.05	121.50	
	240.00	270.00	1	30.00	4.10	3.65	3.88	116.25	
	270.00	300.00	1	30.00	3.65	4.00	3.83	114.75	
	300.00	330.00	1	30.00	4.00	3.75	3.88	116.25	
	330.00	350.00	1	20.00	3.75	4.10	3.93	78.50	
	350.00	380.00	1	30.00	4.10	3.60	3.85	115.50	
	380.00	410.00	1	30.00	3.60	4.25	3.93	117.75	
	410.00	414.00	1	4.00	4.25	8.20	6.23	24.90	

Bellmouth

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Total Qty Work Done								9756.26	Sqm
Qty Reserved to Schedule-B Qty								9756.26	Sqm

Jeyanth B D
PMC

S. S. S. S.
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

P. V. V. V.
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbiger Main Road from Renaissance woods-3 Apartments to Abbiger Park.

Pre-Measurement Sheet

First and Part

Item No:

58

27/4/2022

Item Name:

Cleaning the existing WBM road surface including Sqm removing of binding materials and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air, to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications.

CHAINAGE

Land Mark

NO's

L

B1

B2

AvgB

D

QTY

REMARKS

(m)

(m)

(m)

(m)

(m)

For Road Work

Abbiger Industrial Cross Roads

Connecting Road 7 to 10 (Downside)

to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	178.20	
8 to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	73.60	
to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	103.68	
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	53.00	

Connecting Road 8 to 10 (Upside)

to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	120.40	
9 to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	92.40	

6th Cross Road

From Abbiger Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	123.00	
	30.00	60.00	1	30.00	3.70	3.90	3.80	114.00	
	60.00	90.00	1	30.00	3.90	4.00	3.95	118.50	
	90.00	108.00	1	18.00	4.00	3.40	3.70	66.60	
From Somashekar House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	136.50	
	30.00	60.00	1	30.00	4.10	4.20	4.15	124.50	
	60.00	79.00	1	19.00	4.20	4.20	4.20	79.80	

7th Cross Road

From Abbiger Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	36.25	Bellmouth
	5.00	35.00	1	30.00	5.30	4.50	4.90	147.00	
	35.00	65.00	1	30.00	4.50	4.10	4.30	129.00	
	65.00	95.00	1	30.00	4.10	4.50	4.30	129.00	
	95.00	125.00	1	30.00	4.50	4.00	4.25	127.50	
	125.00	155.00	1	30.00	4.00	5.00	4.50	135.00	
	155.00	185.00	1	30.00	5.00	4.80	4.90	147.00	
	185.00	215.00	1	30.00	4.80	4.40	4.60	138.00	
	215.00	245.00	1	30.00	4.40	4.10	4.25	127.50	
	245.00	275.00	1	30.00	4.10	4.00	4.05	121.50	
	275.00	305.00	1	30.00	4.00	4.00	4.00	120.00	
	305.00	335.00	1	30.00	4.00	4.10	4.05	121.50	
	335.00	365.00	1	30.00	4.10	4.30	5.20	156.00	

8th Cross Road

From Abbiger Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	32.63	Bellmouth
	5.00	35.00	1	30.00	4.05	4.05	4.05	121.50	
	35.00	65.00	1	30.00	4.05	4.00	4.03	120.75	
	65.00	95.00	1	30.00	4.00	4.50	4.25	127.50	
	95.00	125.00	1	30.00	4.50	4.30	4.40	132.00	
	125.00	155.00	1	30.00	4.30	4.00	4.15	124.50	
	155.00	185.00	1	30.00	4.00	3.95	3.98	119.25	

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
	185.00	215.00	1	30.00	3.95	4.50	4.23		126.75	
	215.00	245.00	1	30.00	4.50	4.40	4.45		133.50	
	245.00	275.00	1	30.00	4.40	4.70	4.55		136.50	
	275.00	305.00	1	30.00	4.70	4.25	4.48		134.25	
	305.00	335.00	1	30.00	4.25	5.20	4.73		141.75	
	335.00	365.00	1	30.00	5.20	4.65	4.93		147.75	
	365.00	377.00	1	12.00	4.65	4.70	4.68		56.10	
9th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.10	4.00	4.55		136.50	
	30.00	60.00	1	30.00	4.00	5.00	4.50		135.00	
	60.00	90.00	1	30.00	4.50	4.20	4.35		130.50	
	90.00	120.00	1	30.00	4.20	4.85	4.53		135.75	
	120.00	150.00	1	30.00	4.85	4.50	4.68		140.25	
	150.00	180.00	1	30.00	4.50	4.50	4.50		135.00	
	180.00	210.00	1	30.00	4.50	4.70	4.60		138.00	
	210.00	240.00	1	30.00	4.70	3.85	4.28		128.25	
	240.00	270.00	1	30.00	3.85	3.40	3.63		108.75	
	270.00	300.00	1	30.00	4.50	3.10	3.80		114.00	
	300.00	330.00	1	30.00	3.10	3.50	3.30		99.00	
	330.00	360.00	1	30.00	3.50	3.30	3.40		102.00	
360.00	390.00	1	30.00	3.30	3.60	3.45		103.50		
390.00	406.00	1	16.00	3.60	3.30	3.45		55.20		
10th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.20	3.90	4.05		121.50	
	30.00	60.00	1	30.00	3.90	3.50	3.70		111.00	
	60.00	90.00	1	30.00	3.50	4.30	3.90		117.00	
	90.00	120.00	1	30.00	4.30	4.40	4.35		130.50	
	120.00	150.00	1	30.00	4.40	4.00	4.20		126.00	
	150.00	180.00	1	30.00	4.00	4.50	4.25		127.50	
	180.00	210.00	1	30.00	4.50	4.20	4.35		130.50	
	210.00	240.00	1	30.00	4.20	4.70	4.45		133.50	
	240.00	270.00	1	30.00	4.70	4.80	4.75		142.50	
	270.00	300.00	1	30.00	4.80	4.00	4.40		132.00	
	300.00	330.00	1	30.00	4.00	4.00	4.00		120.00	
	330.00	360.00	1	30.00	4.00	4.00	4.00		120.00	
360.00	382.00	1	22.00	4.00	3.00	3.50		77.00		
12th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	6.10	5.30	5.70		171.00	
	30.00	60.00	1	30.00	5.30	4.80	5.05		151.50	
	60.00	90.00	1	30.00	4.80	6.50	5.65		169.50	
	90.00	120.00	1	30.00	6.50	4.00	5.25		157.50	
	120.00	150.00	1	30.00	4.00	3.95	3.98		119.25	
	150.00	180.00	1	30.00	3.95	4.60	4.28		128.25	
	180.00	210.00	1	30.00	4.60	4.00	4.30		129.00	
	210.00	240.00	1	30.00	4.00	4.10	4.05		121.50	
	240.00	270.00	1	30.00	4.10	3.65	3.88		116.25	
	270.00	300.00	1	30.00	3.65	4.00	3.83		114.75	
	300.00	330.00	1	30.00	4.00	3.75	3.88		116.25	
	330.00	350.00	1	20.00	3.75	4.10	3.93		78.50	
	350.00	380.00	1	30.00	4.10	3.60	3.85		115.50	
	380.00	410.00	1	30.00	3.60	4.25	3.93		117.75	
	410.00	414.00	1	4.00	4.25	8.20	6.23		24.90	Bellmouth

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
Total Qty Work Done								9756.26	Sqm
Qty Payable in this bill								9756.26	Sqm

Jayant
PMC

Siddhant
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Ranjit
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Pre-Measurement Sheet

First and Part

Item No:

59

27/4/2022

Item Name:

Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.

	CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)	(m)	(m)		
For Road Work										
Abbigere Industrial Cross Roads										
Connecting Road 7 to 10 (Downside)										
to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	0.05	8.91	
8 to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	0.05	3.68	
9 to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	0.05	5.18	
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	0.05	2.65	
Connecting Road 8 to 10 (Upside)										
to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	0.05	6.02	
9 to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	0.05	4.62	
6th Cross Road										
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	0.05	6.15	
	30.00	60.00	1	30.00	3.70	3.90	3.80	0.05	5.70	
	60.00	90.00	1	30.00	3.90	4.00	3.95	0.05	5.93	
	90.00	108.00	1	18.00	4.00	3.40	3.70	0.05	3.33	
From Somashekar House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	0.05	6.83	
	30.00	60.00	1	30.00	4.10	4.20	4.15	0.05	6.23	
	60.00	79.00	1	19.00	4.20	4.20	4.20	0.05	3.99	
7th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	0.05	1.81	Bellmouth
	5.00	35.00	1	30.00	5.30	4.50	4.90	0.05	7.35	
	35.00	65.00	1	30.00	4.50	4.10	4.30	0.05	6.45	
	65.00	95.00	1	30.00	4.10	4.50	4.30	0.05	6.45	
	95.00	125.00	1	30.00	4.50	4.00	4.25	0.05	6.38	
	125.00	155.00	1	30.00	4.00	5.00	4.50	0.05	6.75	
	155.00	185.00	1	30.00	5.00	4.80	4.90	0.05	7.35	
	185.00	215.00	1	30.00	4.80	4.40	4.60	0.05	6.90	
	215.00	245.00	1	30.00	4.40	4.10	4.25	0.05	6.38	
	245.00	275.00	1	30.00	4.10	4.00	4.05	0.05	6.08	
	275.00	305.00	1	30.00	4.00	4.00	4.00	0.05	6.00	
	305.00	335.00	1	30.00	4.00	4.10	4.05	0.05	6.08	
	335.00	365.00	1	30.00	4.10	4.30	5.20	0.05	7.80	
8th Cross Road										
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	0.05	1.63	Bellmouth
	5.00	35.00	1	30.00	4.05	4.05	4.05	0.05	6.08	
	35.00	65.00	1	30.00	4.05	4.00	4.03	0.05	6.04	
	65.00	95.00	1	30.00	4.00	4.50	4.25	0.05	6.38	
	95.00	125.00	1	30.00	4.50	4.30	4.40	0.05	6.60	
	125.00	155.00	1	30.00	4.30	4.00	4.15	0.05	6.23	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
155.00	185.00	1	30.00	4.00	3.95	3.98	0.05	5.96	
185.00	215.00	1	30.00	3.95	4.50	4.23	0.05	6.34	
215.00	245.00	1	30.00	4.50	4.40	4.45	0.05	6.68	
245.00	275.00	1	30.00	4.40	4.70	4.55	0.05	6.83	
275.00	305.00	1	30.00	4.70	4.25	4.48	0.05	6.71	
305.00	335.00	1	30.00	4.25	5.20	4.73	0.05	7.09	
335.00	365.00	1	30.00	5.20	4.65	4.93	0.05	7.39	
365.00	377.00	1	12.00	4.65	4.70	4.68	0.05	2.81	

9th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.10	4.00	4.55	0.05	6.83	
	30.00	60.00	1	30.00	4.00	5.00	4.50	0.05	6.75	
	60.00	90.00	1	30.00	4.50	4.20	4.35	0.05	6.53	
	90.00	120.00	1	30.00	4.20	4.85	4.53	0.05	6.79	
	120.00	150.00	1	30.00	4.85	4.50	4.68	0.05	7.01	
	150.00	180.00	1	30.00	4.50	4.50	4.50	0.05	6.75	
	180.00	210.00	1	30.00	4.50	4.70	4.60	0.05	6.90	
	210.00	240.00	1	30.00	4.70	3.85	4.28	0.05	6.41	
	240.00	270.00	1	30.00	3.85	3.40	3.63	0.05	5.44	
	270.00	300.00	1	30.00	4.50	3.10	3.80	0.05	5.70	
	300.00	330.00	1	30.00	3.10	3.50	3.30	0.05	4.95	
	330.00	360.00	1	30.00	3.50	3.30	3.40	0.05	5.10	
	360.00	390.00	1	30.00	3.30	3.60	3.45	0.05	5.18	
	390.00	406.00	1	16.00	3.60	3.30	3.45	0.05	2.76	

10th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.20	3.90	4.05	0.05	6.08	
	30.00	60.00	1	30.00	3.90	3.50	3.70	0.05	5.55	
	60.00	90.00	1	30.00	3.50	4.30	3.90	0.05	5.85	
	90.00	120.00	1	30.00	4.30	4.40	4.35	0.05	6.53	
	120.00	150.00	1	30.00	4.40	4.00	4.20	0.05	6.30	
	150.00	180.00	1	30.00	4.00	4.50	4.25	0.05	6.38	
	180.00	210.00	1	30.00	4.50	4.20	4.35	0.05	6.53	
	210.00	240.00	1	30.00	4.20	4.70	4.45	0.05	6.68	
	240.00	270.00	1	30.00	4.70	4.80	4.75	0.05	7.13	
	270.00	300.00	1	30.00	4.80	4.00	4.40	0.05	6.60	
	300.00	330.00	1	30.00	4.00	4.00	4.00	0.05	6.00	
	330.00	360.00	1	30.00	4.00	4.00	4.00	0.05	6.00	
	360.00	382.00	1	22.00	4.00	3.00	3.50	0.05	3.85	

12th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	6.10	5.30	5.70	0.05	8.55	
	30.00	60.00	1	30.00	5.30	4.80	5.05	0.05	7.58	
	60.00	90.00	1	30.00	4.80	6.50	5.65	0.05	8.48	
	90.00	120.00	1	30.00	6.50	4.00	5.25	0.05	7.88	
	120.00	150.00	1	30.00	4.00	3.95	3.98	0.05	5.96	
	150.00	180.00	1	30.00	3.95	4.60	4.28	0.05	6.41	
	180.00	210.00	1	30.00	4.60	4.00	4.30	0.05	6.45	
	210.00	240.00	1	30.00	4.00	4.10	4.05	0.05	6.08	
	240.00	270.00	1	30.00	4.10	3.65	3.88	0.05	5.81	
	270.00	300.00	1	30.00	3.65	4.00	3.83	0.05	5.74	
	300.00	330.00	1	30.00	4.00	3.75	3.88	0.05	5.81	
	330.00	350.00	1	20.00	3.75	4.10	3.93	0.05	3.93	
	350.00	380.00	1	30.00	4.10	3.60	3.85	0.05	5.78	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
380.00	410.00	1	30.00	3.60	4.25	3.93	0.05	5.89	Bellmouth
410.00	414.00	1	4.00	4.25	8.20	6.23	0.05	1.25	
Total Qty Work Done								487.81	Cum
Qty Payable in this bill								487.81	Cum

Layanor
PMC

S. S. S. S.
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

P. S. S. S.
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbiger Main Road from Renaissance woods-3 Appartments to Abbiger Park.

Pre-Measurement Sheet

First and Part

Item No:

60

28/4/22

✓

Item Name:

Providing and applying tack coat using 80/100 grade Sqm bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.

CHAINAGE

Land Mark

NO's

L

B1

B2

AvgB

D

QTY

REMARKS

For Road Work

Abbiger Industrial Cross Roads

Connecting Road 7 to 10 (Downside) ✓

7 to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	178.20	
to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	73.60	
9 to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	103.68	
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	53.00	

Connecting Road 8 to 10 (Upside) ✓

8 to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	120.40	
to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	92.40	

6th Cross Road ✓

From Abbiger Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	123.00	
	30.00	60.00	1	30.00	3.70	3.90	3.80	114.00	
	60.00	90.00	1	30.00	3.90	4.00	3.95	118.50	
	90.00	108.00	1	18.00	4.00	3.40	3.70	66.60	
From Somashekar House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	136.50	
	30.00	60.00	1	30.00	4.10	4.20	4.15	124.50	
	60.00	79.00	1	19.00	4.20	4.20	4.20	79.80	

7th Cross Road ✓

From Abbiger Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	36.25	Bellmouth
	5.00	35.00	1	30.00	5.30	4.50	4.90	147.00	
	35.00	65.00	1	30.00	4.50	4.10	4.30	129.00	
	65.00	95.00	1	30.00	4.10	4.50	4.30	129.00	
	95.00	125.00	1	30.00	4.50	4.00	4.25	127.50	
	125.00	155.00	1	30.00	4.00	5.00	4.50	135.00	
	155.00	185.00	1	30.00	5.00	4.80	4.90	147.00	
	185.00	215.00	1	30.00	4.80	4.40	4.60	138.00	
	215.00	245.00	1	30.00	4.40	4.10	4.25	127.50	
	245.00	275.00	1	30.00	4.10	4.00	4.05	121.50	
	275.00	305.00	1	30.00	4.00	4.00	4.00	120.00	
	305.00	335.00	1	30.00	4.00	4.10	4.05	121.50	
	335.00	365.00	1	30.00	4.10	4.30	5.20	156.00	

8th Cross Road ✓

From Abbiger Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	32.63	Bellmouth
	5.00	35.00	1	30.00	4.05	4.05	4.05	121.50	
	35.00	65.00	1	30.00	4.05	4.00	4.03	120.75	
	65.00	95.00	1	30.00	4.00	4.50	4.25	127.50	
	95.00	125.00	1	30.00	4.50	4.30	4.40	132.00	
	125.00	155.00	1	30.00	4.30	4.00	4.15	124.50	
	155.00	185.00	1	30.00	4.00	3.95	3.98	119.25	
	185.00	215.00	1	30.00	3.95	4.50	4.23	126.75	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
215.00	245.00	1	30.00	4.50	4.40	4.45		133.50	
245.00	275.00	1	30.00	4.40	4.70	4.55		136.50	
275.00	305.00	1	30.00	4.70	4.25	4.48		134.25	
305.00	335.00	1	30.00	4.25	5.20	4.73		141.75	
335.00	365.00	1	30.00	5.20	4.65	4.93		147.75	
365.00	377.00	1	12.00	4.65	4.70	4.68		56.10	

9th Cross Road

From Abbigere
Industrial Main
Road

0.00	30.00	1	30.00	5.10	4.00	4.55		136.50	
30.00	60.00	1	30.00	4.00	5.00	4.50		135.00	
60.00	90.00	1	30.00	4.50	4.20	4.35		130.50	
90.00	120.00	1	30.00	4.20	4.85	4.53		135.75	
120.00	150.00	1	30.00	4.85	4.50	4.68		140.25	
150.00	180.00	1	30.00	4.50	4.50	4.50		135.00	
180.00	210.00	1	30.00	4.50	4.70	4.60		138.00	
210.00	240.00	1	30.00	4.70	3.85	4.28		128.25	
240.00	270.00	1	30.00	3.85	3.40	3.63		108.75	
270.00	300.00	1	30.00	4.50	3.10	3.80		114.00	
300.00	330.00	1	30.00	3.10	3.50	3.30		99.00	
330.00	360.00	1	30.00	3.50	3.30	3.40		102.00	
360.00	390.00	1	30.00	3.30	3.60	3.45		103.50	
390.00	406.00	1	16.00	3.60	3.30	3.45		55.20	

10th Cross Road

From Abbigere
Industrial Main
Road

0.00	30.00	1	30.00	4.20	3.90	4.05		121.50	
30.00	60.00	1	30.00	3.90	3.50	3.70		111.00	
60.00	90.00	1	30.00	3.50	4.30	3.90		117.00	
90.00	120.00	1	30.00	4.30	4.40	4.35		130.50	
120.00	150.00	1	30.00	4.40	4.00	4.20		126.00	
150.00	180.00	1	30.00	4.00	4.50	4.25		127.50	
180.00	210.00	1	30.00	4.50	4.20	4.35		130.50	
210.00	240.00	1	30.00	4.20	4.70	4.45		133.50	
240.00	270.00	1	30.00	4.70	4.80	4.75		142.50	
270.00	300.00	1	30.00	4.80	4.00	4.40		132.00	
300.00	330.00	1	30.00	4.00	4.00	4.00		120.00	
330.00	360.00	1	30.00	4.00	4.00	4.00		120.00	
360.00	382.00	1	22.00	4.00	3.00	3.50		77.00	

12th Cross Road

From Abbigere
Industrial Main
Road

0.00	30.00	1	30.00	6.10	5.30	5.70		171.00	
30.00	60.00	1	30.00	5.30	4.80	5.05		151.50	
60.00	90.00	1	30.00	4.80	6.50	5.65		169.50	
90.00	120.00	1	30.00	6.50	4.00	5.25		157.50	
120.00	150.00	1	30.00	4.00	3.95	3.98		119.25	
150.00	180.00	1	30.00	3.95	4.60	4.28		128.25	
180.00	210.00	1	30.00	4.60	4.00	4.30		129.00	
210.00	240.00	1	30.00	4.00	4.10	4.05		121.50	
240.00	270.00	1	30.00	4.10	3.65	3.88		116.25	
270.00	300.00	1	30.00	3.65	4.00	3.83		114.75	
300.00	330.00	1	30.00	4.00	3.75	3.88		116.25	
330.00	350.00	1	20.00	3.75	4.10	3.93		78.50	
350.00	380.00	1	30.00	4.10	3.60	3.85		115.50	
380.00	410.00	1	30.00	3.60	4.25	3.93		117.75	
410.00	414.00	1	4.00	4.25	8.20	6.23		24.90	

Bellmouth

CHAINAGE Land Mark	NO's	L	B1	B2	AvgB	D	QTY	REMARKS
		(m)	(m)	(m)	(m)	(m)		
							9756.26	284 Sqm
Total Qty Work Done							9756.26	Sqm
Qty Payable in this bill							9756.26	Sqm

Jayananda
RMC

Sudagya
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

Deepa Venk
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

ROAD INFRA DASARAHALLI

Name of the work : Widening and Comprehensive Development of Abbigere Main Road from Renaissance woods-3 Appartments to Abbigere Park.

Measurement Sheet

First and Part

Item No:

61

28/4/22

✓

Item Name:

Providing and laying dense graded bituminous Concrete using crushed aggregates of specified grading; premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and ialignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications.

complete as per specifications.										QTY	REMARKS
CHAINAGE		NO's	L	B1	B2	AvgB	D				
Land Mark			(m)	(m)	(m)	(m)	(m)				
For Road Work											
Abbigere Industrial Cross Roads											
Connecting Road 7 to 10 (Downside)											
7 to 8th CR	0.00	33.00	1	33.00	6.50	4.30	5.40	0.03	5.35		
8 to 9th CR	0.00	18.40	1	18.40	4.00	4.00	4.00	0.03	2.21		
9 to 10th CR	0.00	21.60	1	21.60	4.80	4.80	4.80	0.03	3.11		
10 to 11th CR	0.00	10.60	1	10.60	5.00	5.00	5.00	0.03	1.59		
Connecting Road 8 to 10 (Upside)											
8 to 9th CR	0.00	28.00	1	28.00	4.30	4.30	4.30	0.03	3.61		
9 to 10th CR	0.00	22.00	1	22.00	4.20	4.20	4.20	0.03	2.77		
6th Cross Road											
From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.50	3.70	4.10	0.03	3.69		
	30.00	60.00	1	30.00	3.70	3.90	3.80	0.03	3.42		
	60.00	90.00	1	30.00	3.90	4.00	3.95	0.03	3.56		
	90.00	108.00	1	18.00	4.00	3.40	3.70	0.03	2.00		
From Somashekar House to Dead End	0.00	30.00	1	30.00	5.00	4.10	4.55	0.03	4.10		
	30.00	60.00	1	30.00	4.10	4.20	4.15	0.03	3.74		
	60.00	79.00	1	19.00	4.20	4.20	4.20	0.03	2.39		
7th Cross Road											
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.20	5.30	7.25	0.03	1.09		Bellmouth
	5.00	35.00	1	30.00	5.30	4.50	4.90	0.03	4.41		
	35.00	65.00	1	30.00	4.50	4.10	4.30	0.03	3.87		
	65.00	95.00	1	30.00	4.10	4.50	4.30	0.03	3.87		
	95.00	125.00	1	30.00	4.50	4.00	4.25	0.03	3.83		
	125.00	155.00	1	30.00	4.00	5.00	4.50	0.03	4.05		
	155.00	185.00	1	30.00	5.00	4.80	4.90	0.03	4.41		
	185.00	215.00	1	30.00	4.80	4.40	4.60	0.03	4.14		
	215.00	245.00	1	30.00	4.40	4.10	4.25	0.03	3.83		
	245.00	275.00	1	30.00	4.10	4.00	4.05	0.03	3.65		
	275.00	305.00	1	30.00	4.00	4.00	4.00	0.03	3.60		
	305.00	335.00	1	30.00	4.00	4.10	4.05	0.03	3.65		
335.00	365.00	1	30.00	4.10	4.30	5.20	0.03	4.68			
8th Cross Road											
From Abbigere Industrial Main Road	0.00	5.00	1	5.00	9.00	4.05	6.53	0.03	0.98		Bellmouth
	5.00	35.00	1	30.00	4.05	4.05	4.05	0.03	3.65		
	35.00	65.00	1	30.00	4.05	4.00	4.03	0.03	3.62		

Left
24

Bellmouth

Bellmouth

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS
Land Mark			(m)	(m)	(m)	(m)	(m)		
65.00	95.00	1	30.00	4.00	4.50	4.25	0.03	3.83	
95.00	125.00	1	30.00	4.50	4.30	4.40	0.03	3.96	
125.00	155.00	1	30.00	4.30	4.00	4.15	0.03	3.74	
155.00	185.00	1	30.00	4.00	3.95	3.98	0.03	3.58	
185.00	215.00	1	30.00	3.95	4.50	4.23	0.03	3.80	
215.00	245.00	1	30.00	4.50	4.40	4.45	0.03	4.01	
245.00	275.00	1	30.00	4.40	4.70	4.55	0.03	4.10	
275.00	305.00	1	30.00	4.70	4.25	4.48	0.03	4.03	
305.00	335.00	1	30.00	4.25	5.20	4.73	0.03	4.25	
335.00	365.00	1	30.00	5.20	4.65	4.93	0.03	4.43	
365.00	377.00	1	12.00	4.65	4.70	4.68	0.03	1.68	

9th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	5.10	4.00	4.55	0.03	4.10	
	30.00	60.00	1	30.00	4.00	5.00	4.50	0.03	4.05	
	60.00	90.00	1	30.00	4.50	4.20	4.35	0.03	3.92	
	90.00	120.00	1	30.00	4.20	4.85	4.53	0.03	4.07	
	120.00	150.00	1	30.00	4.85	4.50	4.68	0.03	4.21	
	150.00	180.00	1	30.00	4.50	4.50	4.50	0.03	4.05	
	180.00	210.00	1	30.00	4.50	4.70	4.60	0.03	4.14	
	210.00	240.00	1	30.00	4.70	3.85	4.28	0.03	3.85	
	240.00	270.00	1	30.00	3.85	3.40	3.63	0.03	3.26	
	270.00	300.00	1	30.00	4.50	3.10	3.80	0.03	3.42	
	300.00	330.00	1	30.00	3.10	3.50	3.30	0.03	2.97	
	330.00	360.00	1	30.00	3.50	3.30	3.40	0.03	3.06	
	360.00	390.00	1	30.00	3.30	3.60	3.45	0.03	3.11	
	390.00	406.00	1	16.00	3.60	3.30	3.45	0.03	1.66	

10th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	4.20	3.90	4.05	0.03	3.65	
	30.00	60.00	1	30.00	3.90	3.50	3.70	0.03	3.33	
	60.00	90.00	1	30.00	3.50	4.30	3.90	0.03	3.51	
	90.00	120.00	1	30.00	4.30	4.40	4.35	0.03	3.92	
	120.00	150.00	1	30.00	4.40	4.00	4.20	0.03	3.78	
	150.00	180.00	1	30.00	4.00	4.50	4.25	0.03	3.83	
	180.00	210.00	1	30.00	4.50	4.20	4.35	0.03	3.92	
	210.00	240.00	1	30.00	4.20	4.70	4.45	0.03	4.01	
	240.00	270.00	1	30.00	4.70	4.80	4.75	0.03	4.28	
	270.00	300.00	1	30.00	4.80	4.00	4.40	0.03	3.96	
	300.00	330.00	1	30.00	4.00	4.00	4.00	0.03	3.60	
	330.00	360.00	1	30.00	4.00	4.00	4.00	0.03	3.60	
	360.00	382.00	1	22.00	4.00	3.00	3.50	0.03	2.31	

12th Cross Road

From Abbigere Industrial Main Road	0.00	30.00	1	30.00	6.10	5.30	5.70	0.03	5.13	
	30.00	60.00	1	30.00	5.30	4.80	5.05	0.03	4.55	
	60.00	90.00	1	30.00	4.80	6.50	5.65	0.03	5.09	
	90.00	120.00	1	30.00	6.50	4.00	5.25	0.03	4.73	
	120.00	150.00	1	30.00	4.00	3.95	3.98	0.03	3.58	
	150.00	180.00	1	30.00	3.95	4.60	4.28	0.03	3.85	
	180.00	210.00	1	30.00	4.60	4.00	4.30	0.03	3.87	

CHAINAGE		NO's	L	B1	B2	AvgB	D	QTY	REMARKS	
Land Mark			(m)	(m)	(m)	(m)	(m)			
Cup 28/4	210.00	240.00	1	30.00	4.00	4.10	4.05	0.03	3.65	Cup 28/4
	240.00	270.00	1	30.00	4.10	3.65	3.88	0.03	3.49	
	270.00	300.00	1	30.00	3.65	4.00	3.83	0.03	3.44	
	300.00	330.00	1	30.00	4.00	3.75	3.88	0.03	3.49	
	330.00	350.00	1	20.00	3.75	4.10	3.93	0.03	2.36	
	350.00	380.00	1	30.00	4.10	3.60	3.85	0.03	3.47	
	380.00	410.00	1	30.00	3.60	4.25	3.93	0.03	3.53	
	410.00	414.00	1	4.00	4.25	8.20	6.23	0.03	0.75	
Total Qty Work Done								292.69	Cum	
Qty Payable in this bill								292.69	Cum	

[Signature]
PMC

[Signature]
Assistant Engineer
RI- Dasarahalli
BBMP-Bengaluru

[Signature]
Asst. Executive Engineer
RI- Dasarahalli Division
BBMP-Bengaluru

Contractor Representative